

gtctcttcag ggtccctcgag

140

<210> 626

<211> 249

<212> DNA

<213> Homo sapiens

<400> 626

```

gaattcgcg cgcgctcgac cctttattca gacctcact gctttgtacc tggactactg 60
taacacctcc ctgtctgatt gaatctagtt catctgttac actgaggtga gattaaattt 120
gctaaacaca gtaattttgt accactcttt agccccaat tacgtagttc tcatagctgc 180
taaaataaga aaaaactctt tagcttttcc aggtcttcca taataatgcc caaacatacc 240
catctcgag                                     249

```

<210> 627

<211> 197

<212> DNA

<213> Homo sapiens

<400> 627

```

gaattcgcg cgcgctcgac ttctaaacat ttgctgttga agtgctttaa tatttctagt 60
tcacaacatt gatcaagttg gaatctttta ttatcttgaa cagttcttcc aaaagtatat 120
ttttcgtatt ttcatttget agcttttctt tgtattttt tgtgagactg aatactctta 180
aaaaggccga gctcgag                                     197

```

<210> 628

<211> 178

<212> DNA

<213> Homo sapiens

<400> 628

```

gaattcgcg cgcgctcgac gaagaatact gtgtattatc aaaatggtaa catttgtgtt 60
ccttttgaaa cttgtttctt ttcattcagc attactgttg acatctatcc ttactgatac 120
tttcaagttt gtttcttttg cttatgggat tctactaatt aatccaccac atctcgag 178

```

<210> 629

<211> 273

<212> DNA

<213> Homo sapiens

<400> 629

```

gaattcgcg cgcgctcgac aacactcctt atgacaagct gccacaaggc aagggcattca 60
gatctcttta gtcaaggcaa gtttctcagc ctgtatactg attatgtttt gggctggata 120
attatttgtt gttggggctg tctgtgttat tgcagcgtcc tgggcctttg cccactagat 180
gccaatagca tccctttccc caatgtggga accagaaatt accaaatgtt acctgagagc 240
aaatctctt ttactttctc catcctcttc gag                                     273

```

<210> 630

<211> 216

<212> DNA

<213> Homo sapiens

<400> 630

```

gaattcgcg cgcgctcgac gtattatcaa atcattttgt gaaatcacct catttttaaga 60
tttttaaatc taatgagtgt gagtaaaata catactaatt ttgctgtgaa tttagtatgt 120
cttttctttt tctttaagtt tgtgccattg gattattctg tctctataga aatccccact 180
ataaaatgta aaccagacaa acttccattt ctcgag                                     216

```

<210> 631

<211> 168

<212> DNA

<213> Homo sapiens

<400> 631

```

gaattcgcg cgcgctcgac gttctataaa gataaatccc ttctcctgcc attttatttt 60
attataattg catagggttt ttttaattca atgttttata atccattgca gttctctttg 120
atgctcccat tgtcacagat ttggctggta gtagtctccc cactcgag 168

```

<210> 632

<211> 193

<212> DNA

<213> Homo sapiens

<400> 632

```

gaattcgcg cgcgctcgac cagtttgatt tttagctcaa attgttggtt aaaataaatt 60
atgaatttga acgtattcag ctatgggttt cctttttatc tgcctctaaa gtgccttagc 120
tacaatagtt tttctctgtt tactcttcac tgtaattttt ttttatgaag gaaaatcgct 180
ggagggaact gag 193

```

<210> 633

<211> 211

<212> DNA

<213> Homo sapiens

<400> 633

```

gaattcgcg cgcgctcgac gaaatataaa aactatgatg ctgcttcttc cttttttttt 60
cttgagacac agtctcactc ttttgccgag gctgtactgc agtgggtggga tctgcactca 120
ctgcaacctc tgcctccgga gtccaagtga ttctcctccc tcagcctccc tagtagctgg 180
aattacaggc atgtgccacc acgacctega g 211

```

<210> 634

<211> 253

<212> DNA

<213> Homo sapiens

<400> 634

```

gaattcgcg cgcgctcgac atcatttctt ctccatgctt agtactgcta ccttagtttt 60
gttctcctatg atttcttgcc tgtgttatta taatagatcc ctaagtggtc tctttgtcta 120
cattctcacc cctccaatct tctccatttg tgccttcacg aaggaaacttt ctaattgtag 180
atctgattgt gctctctctg gggcacacat cgtatcactg ccaggacagg accaagtaac 240
aagcaacctc gag 253

```

<210> 635

<211> 312

<212> DNA

<213> Homo sapiens

<400> 635

```

gaattcgcg cgcgctcgac cctgggtctgt cccaacatga aggcaataat tttttacccc 60
attaatagat ctgtcctttt tcttttcaaa cagttcctta tgttaccat gaaatctagc 120
tggggctgtg tggttttctga tccccctgg cttattcttt acttttctta ctcttcacgg 180
ctcagcaggg agctgctgga tgagaaagag cctgaagtct tgcaggactc actggataga 240
ttttattcaa ctctttttga gtacatggaa ctgcctgact tatgccagcc ctacagaagt 300
gacgaactcg ag 312

```

<210> 636

<211> 168

<212> DNA

<213> Homo sapiens

<400> 636

gaattcgagg ccgcgtcgac agccagagca atagtaatgt ttatagacca tctttctcat 60
 aaatgccact gctcactatt gtacatatgt ctttttcaag tatttttgga agacctccct 120
 cctctgctac catatttccc taatgtctgt gaaactaagt acctcgag 168

<210> 637

<211> 262

<212> DNA

<213> Homo sapiens

<400> 637

gaattcgagg ccgcgtcgac gcattgaatc caggtttttt gtttcacttt gttttttcaa 60
 agaatacttc ttaagtgggt gtattttttt gttgtattac atcatgtggc aaatgatctc 120
 tgtctgtgat gttatgattg atcaggtttc aggtgttata agtttgatta ttccttgta 180
 ccttgtcagc ttttaccagc tgatttcagt ggccgttaat ggtcatggcc tagattcact 240
 atttcaggaa ggcacgctcg ag 262

<210> 638

<211> 254

<212> DNA

<213> Homo sapiens

<400> 638

gaattcgagg ccgcgtcgac cttttcacga ttcatttctg aaggntttat tctatgaaga 60
 cctttgttgc tgaagggtatg aaggatgtgg tagtaatgga aagtatttta ctgatctttt 120
 atttcctttt aaattttttg agacagagtc tgcctctgtc atccacgttg gagtgtggta 180
 gcgtgatctc agctcactgc aaccctctgc tctggggttt aagcacttct cctgcctcag 240
 cctcccaact cgag 254

<210> 639

<211> 169

<212> DNA

<213> Homo sapiens

<400> 639

gaattcgagg ccgcgtcgac tattttacaa attactcata accagaagag ttctgttgga 60
 ttttaccata tggccagatt catcttgcct ttcaaaacta tgtaagtaat ttttccaaat 120
 ctcttttttt ccataacat acatgtctgt gagtccactc ctcttcgag 169

<210> 640

<211> 159

<212> DNA

<213> Homo sapiens

<400> 640

gaattcgagg ccgcgtcgac cctaaacccg caattgaatt ctageaagga atttgtgggc 60
 aaacctacta ttttagacac tattaataag actgaattgg cctgtaataa cacagttatt 120
 ggttcccaaa tgcagttaca gctgggaaga gtcctcgag 159

<210> 641

<211> 230

<212> DNA

<213> Homo sapiens

<400> 641

gaattcgagg ccgcgtcgac cctaaacccg cgattgaatt ctaggcgtga gccaccacac 60
 ccagcctgct atagcttttt ctttgcctcag atttcttttt ccatttgctt tactagatta 120
 cttgaagcgc ttttataatg actgctgtag ctctcttgtt gaagaattcc agcgtctgtg 180
 tcatcttqgt gttggcatct acctatttct tttctcctt caaacctcag 230

<210> 642
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 642
 gaattcgagg ccgcgtcgac gcttttaaga actttcaaat attttctcca gctgtatatt 60
 gggtgtcttc aggggaagagt ttgtttctgaa ttgcctctgt ctgttttcca gaagtgaaaa 120
 tttgaaccga ctgacctttt agtttttagtt actgtatttt taaatatatt atttgcttcc 180
 ttttagaagc tacatgctca atttttgtag ttctctatac ctcataaata tttttgagct 240
 cagccagctc gag 253

<210> 643
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 643
 gaattcgagg ccgcgtcgac cccgcacac ctccaagtca cccaggtcca cctgcattgc 60
 agcagactgc cccagccaca cccagctctt ctccctcttc tgtacgcctg acgtctcttt 120
 ctgcctctga gcatttgcct gtgctgttcc ctctacttgg aatactcttc cctctttttt 180
 tttttatttt tgagacagag tctcactctg ttgccagggc gattctcttc tctcagcttc 240
 tcgag 245

<210> 644
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 644
 gaattcgagg ccgcgtcgac cggatttcaa ggaattttta gactttgtgg attttttctt 60
 cactataatt gtatgtttgg ctcttaattt atttaaatta catacataga tatttttgtt 120
 actttgagaa tagtctatct gaaattttaa gttcttttaga gcttaataata ttaaataatgc 180
 taacactcat cctcgag 197

<210> 645
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 645
 gaattcgagg ccgcgtcgac ggggaattact atctacctct tagtggtata ttgggaatga 60
 atgaaataac acatggagag aatttagtac aatacctggc acatcatata catgtttaaa 120
 gtagttctta tgcctgtatt gaagttatta atgatgaact tggagattgg caccgggaata 180
 agaaagaggg ttggcagaga tgttgagaag gttgaattga caggcagtggt ctgtctggat 240
 gttagggcaa ggctcgag 258

<210> 646
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 646
 gaattcgagg ccgcgtcgac gcaattcttc gctgaagtca tcatgagctt ttccaaactc 60
 ctgatgaaaa ggaagggaact cctcccttgc gtggtgttca tgactgtggc ggagggtgga 120
 gctctatctt tgcgtgtgta tctcttcttg aaaacggatg tgatccttct cgag 174

<210> 647
 <211> 201
 <212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (92)

<400> 647

```
gaattcgagg cgcgctcgac gtaaaaagat tctaacagga aggaggaggg tgtaataaaa 60
tagaaatggc atctctagaa ataatgttca tntttaagat tgattatagg gaggaaaatg 120
aaacacaatg agcctttcaa aaaataagtc atgagacttt gggcaaaaaa caaacaataa 180
aatatgaggt caactctcga g                                     201
```

<210> 648

<211> 198

<212> DNA

<213> Homo sapiens

<400> 648

```
gaattcgagg cgcgctcgac ttttgccatg aatgggaaaa gctttttttc tttttttttc 60
tttttcgtgt tttttttttt tgtttcaaat tcttctcttg gctcattgct cttaatgctt 120
tgtctcccta aaagaggtag ctatgtaaaa acggaagtat ctggccctac gcagtggaaa 180
aagggaactaa cactcgag                                     198
```

<210> 649

<211> 216

<212> DNA

<213> Homo sapiens

<400> 649

```
gaattcgagg cgcgctcgac gcaatttgaa tataatatgt ctagggtgtag ctttcttctt 60
tttttttagca tttattctgc ttgggtatttt cttagcttct cgaatttggt gttgggtatcc 120
gacattgatt tagaggaaat tcacagtcac tattgcttta aatattttct tctgttccct 180
cttctcctgg ttttctgtgt acatgtacac ctcgag                                     216
```

<210> 650

<211> 157

<212> DNA

<213> Homo sapiens

<400> 650

```
gaattcgagg cgcgctcgac cctaactaga aggcattgtt ttagtatttc ttgggagtggt 60
cagctgtata atgcagcagc tgttcaatcc cttaaccttc tctgcaagga ctcccttaca 120
gcttgggtgca gttcttttccc agaggccacc actcgag                                     157
```

<210> 651

<211> 158

<212> DNA

<213> Homo sapiens

<400> 651

```
gaattcgagg cgcgctcgac aatcatttca gatttccagg aaagtgtgaa aaatataata 60
gagaaatata tacccttcac tcagattccc aatgttttgc acttcgcccac atctgcttca 120
ttcttcttcc tctctcttca cacacacaca cactcgag                                     158
```

<210> 652

<211> 227

<212> DNA

<213> Homo sapiens

<400> 652

```

gaattcggcg cgcgctcgac agcccatgaa agattccaga acagagtttt gtaggttaaag 60
ttaagtgtat tacctggaaa gtctgttcca tgttgtataa cccaagtcct gaagaaggaa 120
agttgctgtt tcaaggtatt ttccttctct gtctcttctt ttctctctgt gatgcacaca 180
aacacacaca tatacacata caatctctga attcactcaa actcgag 227

```

<210> 653

<211> 265

<212> DNA

<213> Homo sapiens

<400> 653

```

gaattcggcg cgcgctcgac ctttcccatc cctagattcc tttgtgctgc ttgtctacat 60
tgtatgataa acatcacatt aaatgcaatc tctccctctc caccctctct ttttttttga 120
gataggatct cgtttgctgt gttgccagg ctgcagcgca gtggtgtgga tctgtggtca 180
ctgcagctc accgtctggg ctcaagtgat cctcccccag agctccact tcccagtacc 240
cgggactata gacacgtacc tcgag 265

```

<210> 654

<211> 240

<212> DNA

<213> Homo sapiens

<400> 654

```

gaattcggcg cgcgctcgac gtgaggttga gggctccttc atatattcac gggtgtttta 60
tgtttatttc ctgtgagcta gctcttgata tctagttccc tgattcttcc ccaagaaaaa 120
ttccataaat attttcacag gattgtgtta aattcctaga ttaatttga aagaactgat 180
tttatgttgc atctttttat ccaagaactt gttatgtttc tccatttgtt caacctcgag 240

```

<210> 655

<211> 190

<212> DNA

<213> Homo sapiens

<400> 655

```

gaattcggcg cgcgctcgac gtgagacctt gtctcaaaaa cagaacaaaa agcaaaacaa 60
ctgtattagg ggccagatgt ggtggctcat gcttgtaatc tcagtgtctt gggaggctga 120
gatgggagga ttgcttgaag ccaggagtcc aagaccagcc tggggaacaa ccaaaccgt 180
tctccctata 190

```

<210> 656

<211> 164

<212> DNA

<213> Homo sapiens

<400> 656

```

gaattcggcg cgcgctcgac tgatttttta aatatatgtc ctttantaaa aatatatgaa 60
gtgcaatgaa agacaaaacc tttgcattcc tcattgtage acctattttt aaggtctccc 120
tatctgagtc agctcagtc ttgatgtggg cggaaagtct cgag 164

```

<210> 657

<211> 172

<212> DNA

<213> Homo sapiens

<400> 657

```

gaattcggcg cgcgctcgac caacagggaa acaggagtgt catcaaaagt aaattccagc 60
cgagacattc tctccatatat gagaagcaaa agtgaaagga aaaatttttg aaaagtaaaa 120
cactqaagag tcatagtatt cctctgtaac ttggaactgg agtggtctcg ag 172

```

<210> 658

<211> 165
 <212> DNA
 <213> Homo sapiens

<400> 658
 gaatttcgagg ccgcgtcgac aaataaagta gggatgccat ctgctatatt caaatgtcct 60
 tgcagattgt tttttctaac cttatggta tattctgata ttcttaaatt agatagtgat 120
 tgcctatgta acacagagca gatagtattt gcacaatgcc tcgag 165

<210> 659
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 659
 gaatttcgagg ccgcgtcgac cacacacaca tacacacata tatatatata actttataaa 60
 gtatcatgta atatttttta taattttatc ttaattccaa taactagggt acatagattc 120
 taaagttctg aatcctatag gcaagtgggt caattatttt atccatgtcg tctagatacc 180
 tccttatttc taaatattat ttcttaattt tttcaatatt agatgttggt attgattgtc 240
 tcacagatgc catcctaact gacgtactcg ag 272

<210> 660
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 660
 gaatttcgagg ccgcgtcgac taggtttagt tgtcttaaca aaaaccagtc gaggaaaagt 60
 ttttagttta gcagaatact aaataaaaaat attaatcag gctcagatat cttttgtttt 120
 gatccctttg aaagtcagaa ctgggttttg ttaggagtat tttatgtatt tgatttttat 180
 tcttaactat tcccttatga tggtagctgt tctttcagca aacagttatt ttgtgctat 240
 tgcgtgcttc gag 253

<210> 661
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 661
 gaatttcgagg ccgcgtcgac cgattgattt cgttagtact ttccaaaaat actaaacaat 60
 aagatagtag tggagctttg tctatttctt taattcaatc agatattttt aatgcttttc 120
 tattaagatt agatctgggt ttagattgaa gcgtaatat tttatcatgt taaagtattc 180
 agctgttact gtctttttta agtttttggt ttgttttggt ttgttttttt gtcttttttt 240
 gaggcagagt ctcaactctg tgcctagggt ggagcgactc gag 283

<210> 662
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 662
 gaatttcgagg ccgcgtcgac ttgaattcta gacctgcctc tcacctggac cactggagga 60
 acctctgat tggctcccat gctttcactc ttgtccacc tattcttcca cgcactcgag 120

<210> 663
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 663

```

gaatttcgcgg ccgcgtcgac aactgcaatt acttctgtac caaccttaata gtttgccttag 60
tgtttttatc atgaaaaggt attagatttc taaaatgttt tttctgtctg ttgagggttat 120
cgtgttattt tgctttgttg tattattgng gtgtataatt ttttttgaga cgggggtcttg 180
ctctgtcgcc caggctggag tgcagtggcg cgatctctgc tcaactgcaag ctccacatct 240
cgag 244

```

<210> 664

<211> 193

<212> DNA

<213> Homo sapiens

<400> 664

```

gaatttcgcgg ccgcgtcgac taaactcttg agctcaagtg atcctttctac ctggggetcc 60
caaagtactg gtattacaga cgtgagccat ggcccccagc ctgtctctgt gttttaacct 120
tcatttagta ttagttctac aaatgattac ttatttaattg ctcaatacta gtctctgtgt 180
cagtatcttc gag 193

```

<210> 665

<211> 329

<212> DNA

<213> Homo sapiens

<400> 665

```

gaatttcgcgg ccgcgtcgac cctcctcttc tgcaccagtg gccctcgccc cctccgattg 60
caccacctca cccgggttcc ttaccgtctt catttgcacc tgaaacctac ttgggagaat 120
atacagattc cagcgataat gactcagtc agcttagaaa ttctgtctgag tctgtttcag 180
aagatgatac aactgaatca cagaatttatt ttggttcatt gagaaaaaat aaaggaagtg 240
gcacatggga ggaaaagccc aaatcacatg aagctatcca agctctgaat acatgggaag 300
taaataaagt gacaacttct ggactcgag 329

```

<210> 666

<211> 189

<212> DNA

<213> Homo sapiens

<400> 666

```

gaatttcgcgg ccgcgtcgac tgcattggatg tgtatgtgtt tgtcccccagc caaaatgacc 60
tttctctgtg ccattattct gttatgtgtc cattactgtc ccacctccat gcccttcccc 120
aggggtgttcc ttaaccttgg aatgtctcatt tccccctttt tatctctgag tgtaaaccac 180
aaactcgag 189

```

<210> 667

<211> 218

<212> DNA

<213> Homo sapiens

<400> 667

```

gaatttcgcgg ccgcgtcgac tatacatcca gaaaagtaca taatttcagtg atttttctac 60
taagtgaatg catctgtctt taaaaagtga ccacctccat aacagaaaat agaattgtac 120
cagcattcca aagacctctt ctctgtttac tctcctctct tctccaagcc acactccttt 180
ctgactttctg tcaactataga tcaattgttg aaactcgag 218

```

<210> 668

<211> 129

<212> DNA

<213> Homo sapiens

<400> 668

```

gaatttcgcgg ccgcgtcgac cctcactcgg cgcattttta ttgcaagatc acaaatggca 60
agaaatatct ggtactttgt ggttagttct tgttacaagc ttttgcata cttccgagca 120

```

acactcgag

129

<210> 669

<211> 251

<212> DNA

<213> Homo sapiens

<400> 669

```

gaattcgagg ccgctcgac cagtctggg gtgggtggg agtctgggc cgttcccgcg 60
gcctctctct cctccccgtt ccttcaccc ccaccccgca cccctttccc catcccggt 120
ccgtcacctt cccgtccccc acactcagga caagaatgcc ctgcccggaa caaccagca 180
ggccttagat ggctttgggt acggtccagg ggtaacctac cccagcacc acctccagcc 240
cgcaactcga g                                     251

```

<210> 670

<211> 175

<212> DNA

<213> Homo sapiens

<400> 670

```

gaattcgagg ccgctcgac ccttatgcca aaatctccct atcattaaaa tacaacaccc 60
caaccctagg aaaaccattc ctgataccac gtgttgetat tatccactat ctctcttcca 120
gtcctatcaa aacttggggt tgetgtttct gatgetatta ttgtctctgc tcgag      175

```

<210> 671

<211> 211

<212> DNA

<213> Homo sapiens

<400> 671

```

gaattcgagg ccgctcgac cttgcctggc aggagtggct tctaagaaga gctgttgatt 60
gttgaacttt gacgctaagg tgagggtttg gatttttgg ggatagcttt attttggtat 120
aattttagaa aagtttgaga atagtaacag agttctatt tacccttcac cttaggtcac 180
gatgatttgc gttttgcccc atttactcga g                                     211

```

<210> 672

<211> 296

<212> DNA

<213> Homo sapiens

<400> 672

```

gaattcgagg ccgctcgac caccagacca gttctgtgac tccatctggt ttctgacttg 60
tgcgatcggt tggcagcccc atcagctgct acctctctt tgtctctttg cccgtgtgtt 120
tatgctattc aaagtacctc tattttaatg gagttttggg acctatcaaa tataaatata 180
ccatttcttc aagaccattt ttcttttcta accagtaaat ttatatggca tttatttttt 240
cttacagaag ctctcttttt tctctctttt tctttctttt ttgggagggt ctcgag      296

```

<210> 673

<211> 176

<212> DNA

<213> Homo sapiens

<400> 673

```

gaattcgagg ccgctcgac gagatgaatc caggctataa catttaacaa gaccttatta 60
aaagcttcaa gatgttagcc ttatatgtt ccatacttag cttaacttggg tgtttttggg 120
ggatcacatg ttgtctctcc aaactggaaa cgtctaaact tccaggagta ctcgag      176

```

<210> 674

<211> 137

<212> DNA

<213> Homo sapiens

<400> 674

```
gaattcgcgg ccgcgtcgac cccatctatg aagaactgaa agaccgcagc cgtagaagaa 60
tgatgaatgt gtccaagatt tcattttttg ctatgtttct catgtatctg cttgcgcgcc 120
ccatcctctg cctcgag 137
```

<210> 675

<211> 202

<212> DNA

<213> Homo sapiens

<400> 675

```
gaattcgcgg ccgcgtcgac agcattttta gctttgtaca ttcaaagtc tgcatacttc 60
tgagagggtcc tttaatgtga agattttttg cttgcacac ttctcttgga acatcttcat 120
cttctgtttg ctaattttta ctttttagta tttatttttt aaattaaatg tcatatgggc 180
ttattattgg gatagcctcg ag 202
```

<210> 676

<211> 227

<212> DNA

<213> Homo sapiens

<400> 676

```
gaattcgcgg ccgcgtcgac aaaagaagtt aactagagtg ccacaaaagt cacttqactt 60
gaataaaaaat gaatatcttt ctctggacaa aagcagcact tcagattctg ttgatgaaga 120
aaatgttctt gagaaagatc ttcatggaag actttttatc aaccgtatct tcatatcag 180
tqctgacaga atgtttgaat tgcctctttac cagttaacgc tctcgag 227
```

<210> 677

<211> 556

<212> DNA

<213> Homo sapiens

<400> 677

```
gaattcgcgg ccgcgtcgac agttggaaaag cttgcagcat ctggatcaat tacaatgcaa 60
gaacattgga gctatgtcaa gctacctctt catagtgaat tatgagttgc ctttgggtgat 120
ccaggcatta acgaacattg aagataaaac tggattgtgg tatctgaacg ggaactatct 180
ggttctgttg gtgtcattgg tggtcattct tcttttgtcg ctgttttagaa atttaggata 240
tttgggatat accagtggcc tttccttggt gtgtatggtg ttctttctga ttgtggtcac 300
ttgcaagaaa ttacaggttc cgtgtcctgt ggaagctgct ttgataatta acgaacaacat 360
aaacaccacc ttaacacagc caacagctct tgtacctgct ttgtcacata acgtgactga 420
aaatgactct tgcagacctc actattttat ttccaactca cagactgtct atgtctgtgc 480
aattctgata ttttcatttg tctgtcctcc tgcgtgtctt cccatctatg aagaactgaa 540
aaaccgcagc ctcgag 556
```

<210> 678

<211> 196

<212> DNA

<213> Homo sapiens

<400> 678

```
gaattcgcgg ccgcgtcgac atttggttta ttacagataa gtttacatgc agtaaaattt 60
attctttttt aggtttgcag tttgatgagt ctgacaatgt atagtcatat aaccaacact 120
acagttgaga tatagaatat taccacagaa agttccctgt accttttagt gattctcttc 180
tccccacgt ctcgag 196
```

<210> 679

<211> 226

<212> DNA

<213> Homo sapiens

<400> 679

```
gaattcgagg ccgctcgac tgccttagta ataaattgcc taccagtttt gttaaagcttg 60
gtatatctta tttttctttt gacttttctc aaacacagaa gtaataaag tccctcgat 120
ccaactagca gctcctcagt tatcaattcg tggcccatct catttcacct gctcttattt 180
tttagttttt cattttgtaa tgcctgtatt caacacagtg ctcgag 226
```

<210> 680

<211> 113

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (104)

<400> 680

```
gaattcgagg ccgctcgac actaagggtt gaggcactgt gcccgccctg atgatttttt 60
tatcatatct gtgtttcttc agagtttttag tggctaaaga aagnacactc gag 113
```

<210> 681

<211> 196

<212> DNA

<213> Homo sapiens

<400> 681

```
gaattcgagg ccgctcgac taagaatgtt atgttatcaa aataccttta atagtcacct 60
tatagcactc tgcctatttg catccagttt tatgcataaa acacaatata ccttttggtt 120
attcctaact gctcaatggc aaacacacgt tccagaatat agtcattgga ttacaacat 180
aatgacctgc ctcgag 196
```

<210> 682

<211> 226

<212> DNA

<213> Homo sapiens

<400> 682

```
gaattcgagg ccgctcgac tgagaatgtt ggcttagtggc agaagagtca aaaaatggca 60
gttaattatt cagttatttg ctacttgctt tttagcgagc ctcatgtttt ttggggaacc 120
aatcgataat cacattgtga gccatatgaa gtcataattt tacagatacc tcataaatag 180
ctatgacttt gtgaatgata cctgtgcttt taagcacaca ctcgag 226
```

<210> 683

<211> 196

<212> DNA

<213> Homo sapiens

<400> 683

```
gaattcgagg ccgctcgac taaaatacag ttgaagattt ggcctgattt ttgccttaag 60
attacatacc ttaataatta caactcaatt gaggggtcca tatatattct tctcattctt 120
ctggcagtaa atcatattca tcatataatt cccaattttg cacacacaaa aaatgaaaat 180
agccccctat ctcgag 196
```

<210> 684

<211> 193

<212> DNA

<213> Homo sapiens

<400> 684

```

gaattcgagg cgcggtcgac aactttatc caaaagtat gcattgtggag aaagaatcta 60
gaatttcttg tatacatttt tctctctctc agtaataaac aattaccttt catttatact 120
ttgataacct gtattttaatt taaaaaaaaa cataaaaatg aggaaccaag tgaaactacg 180
gatattcttc gag 193

```

<210> 685

<211> 258

<212> DNA

<213> Homo sapiens

<400> 685

```

gaattcgagg cgcggtcgac aattctgact ctgtcagtat tccctatccc tgctcctgat 60
ttcttctttt tcatagccgt cgccttaaca cacattctac atttgactta ttttcttttt 120
taatcatcta cgtccctcca ctaggctgta aactacagga tgacaaaggc tttgtctgtt 180
tttttcattg ctggctgttc aatatctaat ctagtgcctg gcattgcatg gacaattaat 240
aaatgtgaac acctcgag 258

```

<210> 686

<211> 197

<212> DNA

<213> Homo sapiens

<400> 686

```

gaattcgagg cgcggtcgac gtattaatag tattectaatt gtgtgctgca gaaatggcta 60
tgaacctctt aaatttacct ttgcaactta aaqtagttt tagaagggaag taaaaattgg 120
ctttcatctt gcaaacatc gttttttact tcaattatct aatttgcttt gtcactcata 180
aaaaggaaac acctcgag 197

```

<210> 687

<211> 304

<212> DNA

<213> Homo sapiens

<400> 687

```

gaattcgagg cgcggtcgac agaagtaaag atcctgaata acttctcaag gtatatactca 60
cacagctagt aaagaacaaa gtggcattgt taataccttc caccattaaa aaaaaaaaaa 120
gtgggttatag caaagtatac actagaataa tttgagttgt ttgagatgga tacaggctac 180
tcttttttta aattagtagg taaaaacaaa gaacttgaaa accacatcct tttagattct 240
ttgttggttc taggagtgtt tttcaagggt gtttagtaatt tgtgtttccc tgggcatctt 300
cgag 304

```

<210> 688

<211> 156

<212> DNA

<213> Homo sapiens

<400> 688

```

gaattcgagg cgcggtcgac gtaaacctt ggctaatttt attgtctttt tgtagagatg 60
ggatttcacc atcttgccct ggctgtcttt gaactcttgg gctaaagctg tcttcctgct 120
tcaagcttcc caaagtctct ggattgcaga ctcgag 156

```

<210> 689

<211> 329

<212> DNA

<213> Homo sapiens

<400> 689

```

gaattcgagg cgcggtcgac atgggacaga gtccaaagat gatgggtggc atgcccattg 60
ccaatgggtt atggggaat gcacaaagc gtgtgatgac atttctctag aacgttcttg 120
gcccccaagg aggaatggtg ggacaaatgg gtgcaccca gagtaagttt ggcctgcctg 180

```


aagctcagca gccccagtgg agcctctcac agatgaatca gcagatggct ggcattgagta 240
 tcagtagtgc aacccctact gcaggttttg gccagccctc cagcacaaca gcaggatggc 300
 ctggaagctc atcaggtcac tctctcgag 329

<210> 690
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 690
 gaattcgagg ccgcgtcgac gttaaacttt acattttaaa ttaatttatg tttgtatgta 60
 tttatttgtt gagaaagggc ctctctctgt caccctact agaatgcagt ggcgccatca 120
 tggcttactg cttcctgggc tcaagctgtt ctcccatttc agcctcccca tgcaccacc 180
 tcatgctcga g 191

<210> 691
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 691
 gaattcgagg ccgcgtcgac ataactgtata atttgggtga ggtctacaaa attgggtgtg 60
 actttccttt gcaaatggat ttctctctgg gaattttctt ggctgttctg gaaatgcttt 120
 cccacagctg ggtaactgtt cttaactggc ttgataatgc tcacaccctc gag 173

<210> 692
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 692
 gaattcgagg ccgcgtcgac gtgatttata atgacatcct gagaaaagtc agtgaaactc 60
 atttctaacg aataccagat ttctttaaact agtcaagtat tttctttttg tgtatgatga 120
 gatattaact tgggtgttatt tcattttttt tttttaagga gtcattctac cctgttctat 180
 ctttacttat gtgaaaatgt ttaactatg agtttttttc atgtgccttc ttttggagta 240
 atgtcaactt ttaatacac atgttttaaat aacttagagt gtaataaatt gtgtttaata 300
 tatactgtag ataatgatgg ttaaatgctt tgttaacaca tgtctcgag 349

<210> 693
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 693
 gaattcgagg ccgcgtcgac cctgcctcta agataaaaagc tcaacttctt aacagtgtac 60
 agtgtgcaac ttccaacctt ttatctgtt ctctccacct tcagttttagc gtcattccaa 120
 aaccacaccc ttgcaaagct ttgtactcgg caccctcagat gatctccagg cagctcagat 180
 ctctttcctg cctttgcctt gcactgttcc ccggtacttc ctctcttatt gtagcactca 240
 gctcccccagc caatctgtcc atcgtcctcg ag 272

<210> 694
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 694
 gaattcgagg ccgcgtcgac cagagaacag gcaaaaatt actgaagact ttaacagcat 60
 ctgaaatgct acctttattg gatcattgga atactcaaac taaaaaagta tcaactcagag 120
 aaataatgtc agaagaaatt gccttacagg aaaaacataa tttgaaaagg gagaccctta 180
 tgtttgaaaa agattgtgac actcaactcg ag 212

<210> 695
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 695
 gaattcgagg ccgcgtcgac catatcttctg ttgtccattc atcaggtaat ggatattctg 60
 attgttcagg gtactgttat tgcctactctt attctatttt agaaatacga aaagtgaatc 120
 tcagggaagt aagttcacca aggtcagaca aatagcaaaag ctgagacgca cacaaactta 180
 agtgtgtctg atgctatatt tctttctctt aaccactgcc ctcgag 226

<210> 696
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 696
 gaattcgagg ccgcgtcgac tgaagagatt atattcctct acatcaggtc ccaaagatgc 60
 agttctgttg gcaactggga agttggaaac tgaatatggg gaaaatgac ccgtcactat 120
 tcttaggagc gtggtgtctt cctcagcact cagcagtggt tgggtgtagta gggggcgggg 180
 gtatggaact cgag 194

<210> 697
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 697
 gaattcgagg ccgcgtcgac tctctaccaa gccctttgtc ttgtgaattc tcttctctctg 60
 ctgattctgc atggtcttct atctatttca gtatcaagtt ctgatttttt gtttattttg 120
 ttttcatttc atttctaaat attgtctaat gatccgttcc tctgtgatat ggttttggtg 180
 tgtccctact ctcgag 196

<210> 698
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 698
 gaattcgagg ccgcgtcgac ctttaattcct actacaaagc taaataatat ataaaataaa 60
 tagaaaaaat cagtgtctca agttatcctt taatgtgggg aataaaatgt ctgaaaqca 120
 tttatgaact aatttttagaa tgcctactta ctggaaatct ttattctttc aacactacat 180
 ttgttgtttt aqatgtttgc caacaactcg ag 212

<210> 699
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 699
 gaattcgagg ccgcgtcgac ctaagtaatt tttctttctg aagccattgt aagtgttaatt 60
 attttcgttt cattttcaga ctgttcattt ctaygnang caactaattt ttgtgtattg 120
 atgttatctc ccacaacttt gaacttgctt attagctcta acagttattt tctagattct 180
 tcagggtttt cttctacaca taggattatg ttacctgttt tttgtttttt tgtttttgtt 240
 tttgttctt ttttttttga gacagggtct cactctgtca cccaggaccg gaagctcgag 300

<210> 700
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 700

gaattcgcg cgcgctcgac attgaattct agactgcttc atggatacaa tatctgtgca 60
 tctctttgac agtattatgc tttttctttt cttctctttt ttgaggtgga gtctcactct 120
 cgag 124

<210> 701

<211> 214

<212> DNA

<213> Homo sapiens

<400> 701

gaattcgcg cgcgctcgac agggataaag agtttttaggc atctataaaa ctgtctgaga 60
 ttttaaccttt tctcatataa gcaagggatt tgattacaca aaattttttg acagtggata 120
 gctagactgt acttatcaat ttgttcaact ctgttctatg gctatctctg gaagaccctt 180
 taggtacaat aaggaagatg ggagagtact cgag 214

<210> 702

<211> 286

<212> DNA

<213> Homo sapiens

<400> 702

gaattcgcg cgcgctcgac ggtagcctct cacaactcgc ccttgccct ctgccttcca 60
 ctteectcca tctcatttct aaaccccaaa cagctcatct ctaaaaagat agaactccca 120
 gcaggtggct tctgtgttct tctgacaaat gattcctgct tctccagact ttagcagcct 180
 cctgttccca ttcttggtea cagctctagc cacagcagaa ggaaaggggc ttccagaaga 240
 atatagcacc gcattgggaa acagcagcct ctacccctcc ctcgag 286

<210> 703

<211> 158

<212> DNA

<213> Homo sapiens

<400> 703

gaattcgcg cgcgctcgac gttataaagg gacacagctg aaagccttac tgatacttga 60
 aggaggccag aaagtgttt tcaaacctaa gcggtatagc cgagaccatg tgggtggaagg 120
 ggaaccgtat gctggttatg atagtcacaa tgctcgag 158

<210> 704

<211> 439

<212> DNA

<213> Homo sapiens

<400> 704

gaattcgcg cgcgctcgac acacaattct tttcttccgc ttggatattc gcatgggcct 60
 actttacatc acactctgca tagtgttcct gatgacgtgc aaaccccccc tatataaggg 120
 ccttgagtar atcaagtact tcaatgatua aaccattgat gaggaactag aacgggacaa 180
 gagggctcact tggattgttg agttctttgc caattggctt aatgactgcc aatcatttgc 240
 ccttatctat gctgacctct cctttaaata caactgtaca gggctaaatt ttgggaagggt 300
 ggatgttggg cgtatactg atgttagtac gcggtacaaa gtgagcact caccctcac 360
 caagcaactc cctacctga tctgttcca aggtggcaag gaggaatgc ggaggccaca 420
 gattgacaat aaactcgag 439

<210> 705

<211> 192

<212> DNA

<213> Homo sapiens

<400> 705

gaattcgcg cgcgctcgac aacacagctt agcaqqaac cctgaqctgt ctgactctca 60

agcctgtgtt gggaaatcct gccctgtgct gcctcttgtt gcagagatcc tatctggata 120
 aagtgtctggg taaccaggaa tcagaacctc ttgaggacga gtatgaactc tttctgtcc 180
 ctgctgtctg ag 192

<210> 706

<211> 205

<212> DNA

<213> Homo sapiens

<400> 706

gaatttcgcgg ccgcgtcgac cctcaaaacta caaaggaaatg acaaqagaag aaaaggagca 60
 gagagatcta gaacagatgc ctcaacgacg aagaatgaac agcactggtg gtcagacacc 120
 cagaagagac ctggaaaagg tcttgacagg agaggagaag gctcttagac ctggagatcc 180
 tggattctgt gcccgtagac tcgag 205

<210> 707

<211> 279

<212> DNA

<213> Homo sapiens

<400> 707

gaatttcgcgg ccgcgtcgac agaaaataag cgattacaga aggaacttag tatgtgrgaa 60
 atggagcgag agaagaaagg aagaaaggtc acagagatgg aaggccaggc aaaagaattg 120
 tcagcgaagt tggccctttc cttccagct gaaaaatttg aaaacatgaa gagctcatta 180
 tcaaatgaag tgaatgagaa agcaaaaaaa ttagtagaaa tggaaagaga acatgaaaaa 240
 tcacttaqtg aaattagaca gttaaaaaga gaactcgag 279

<210> 708

<211> 228

<212> DNA

<213> Homo sapiens

<400> 708

gaatttcgcgg ccgcgtcgac cctaaacctg cgattgaatt ctagacctgc ctcgagcaac 60
 ccgttcaactc aacaagccaa tctgacccca gggttgaacc tcagcgcact tggcatcttt 120
 tcaacaggac tctcgtgct atctccacca gcagggcccc gcggagctcc ccccgctgcc 180
 cctaccacc ccttcaactc acaagccaat ctgacccag ttctcgag 228

<210> 709

<211> 189

<212> DNA

<213> Homo sapiens

<400> 709

gaatttcgcgg ccgcgtcgac agggattggg aagacaaaga caaaggacga gatgaccgca 60
 gagaaaagcg agaagagatc cgagaagata ggaatccaag agatggacat gatgaaaqaa 120
 aatcaaagaa gcgctataga aatgaaggga gtcccagccc tagacagtc ccgaagcgcc 180
 caactcgag 189

<210> 710

<211> 293

<212> DNA

<213> Homo sapiens

<400> 710

gaatttcgcgg ccgcgtcgac gataccttgt tacaggacag agatttctga accttaaaqt 60
 tgagaaataa ataaattgca caaaatagac agcctgtcat tttctaggtt aacttgagca 120
 agatgaatat ttcttcaga tctctgctag tcttggtgtt ttctcttaa actagctgta 180
 tcttgctgga ggtccctgaa agtgaattaa ctctggatct cttaggtatc tgtgtttgga 240
 atagagttta ttccaaatct atcttattat agagtgaatg ccggcaccct gag 293

<210> 711
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 711
 gaattcgagg ccgcgtcgac ccaaaagttt gttctataat tattagagtt tgtttctctc 60
 tcatgtatca tctctttttg aaaggagtc tgtcttgctt agctctgtac aattttcttc 120
 tcatggtaact ctgtgttctc gag 143

<210> 712
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 712
 gaattcgagg ccgagtcgac aagaaagggc ctcacaagcg ctcagcatct tggggcagta 60
 cagatcaact taaggagatt gcaaaattac gccagcagtt gcagagaagt aaacacagca 120
 gtcggcatca tcgagataaa gaaagacagt ctccatttca tggcaaccat gcagctatta 180
 accagtgttc tcgag 195

<210> 713
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 713
 gaattcgagg ccgcgtcgac gaaaagacat taagttcaaa ttttaattta ttctcatatt 60
 aaatataact ccattaaaag tttaaaattt catgggagaa aatataataa ggtaaagagg 120
 tagaatcact ttcagactta agaataatgt tgatttccca aatgctcgag 170

<210> 714
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 714
 gaattcgagg ccgcgtcgac tgttgaaatt gctcttcata ttactggttt tacatggaca 60
 cagaaactag gcactttaga ggtgcacttg catggcaggc tgggccccct tttctatatt 120
 ttattttcct ttttagtata gtggtactta aaatcactgg ttcactcgag 170

<210> 715
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 715
 gaattcgagg ccgcgtcgac aaaatacttt ggaaataata tacattttga cattctacca 60
 agaggacaac tttggttctg gaactggttt ctatttgtea aatcagtttc cttttaaat 120
 aattaatccc ttttaacaaa agcgtcttat gggattaaaa gacacgtgaa atgatactt 180
 tattattccc attactcgag 200

<210> 716
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 716
 gaattcgagg ccgcgtcgac gtgaaagtgc catggaaagc cattcaactc tcaatcccaa 60
 cctgcagcaa ggtgaaggag tctctctcag ctcccgaaac acgtggcagg agtttctgga 120
 ggatctgggc tctcggagag tattgtctgt gactctgtgc attgctttgc tgtctcttgg 180

cattgcttat tatgtgagtg gggcgctacc ctctgtggaa aaccacctcg ag 232

<210> 717
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 717
 gaattcgagg ccgcgtcgac ccttaccata tgtagcaac ctgtgcagaa gccctaccca 60
 gacctaaactg ggaactgget ctgtatatca tcatctcagg aataatgagt gcaactgtttc 120
 ttttggtcat tggacacagc tatttggaag ctcaaggaat atgggagcca tttcgaaggc 180
 ggctatcctt tgaggcctcg aaccgcacct tcgatgtggg aaggccattt gatctcagga 240
 gaatcggttg tatttcattt gaaggaaact tgaacacact cagctgtgac cccggtcaca 300
 gttagggggt ctgtggagca ggcttactcg ag 332

<210> 718
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 718
 gaattcgagg ccgcgtcgac gtgtgcttac acttctgtg ccagagtata caccaacaag 60
 tattccagaa gtccaacaag agaataaat caatctcaca gacctaacag tgaatctagt 120
 tgctaattgta cctcaagatg gagaagatgc tcgag 155

<210> 719
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 719
 gaattcgagg ccgcgtcgac gctttccgat ctactccttt talcgttctt agcagtccca 60
 cagagcaaga agggagacaa gataaqccaa tggacacgct agtggttatct gaagaaggag 120
 gagagccttt tcagaagaaa ctccaagatg gtgaaccagt ggagttagaa aaccccccat 180
 cactcgag 188

<210> 720
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 720
 gaattcgagg ccgcgtcgac cctgcctcga actcctgacc tcaagtgate ctcccacctc 60
 agcctccccg agtgctggga ttaaagacgt gagccacggc acctggcctg aattttctct 120
 aaattcaaaa aatcctgatg aagggttgge taaaatcttt ggtgagctac ctcgag 176

<210> 721
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 721
 gaattcgagg ccgcgtcgac ttttgggta cgttatata atttgagctc ttgaatttga 60
 aaagggtttt ccttttggga tcttaattcc accgtgtata aatatggatg agtggatatg 120
 ggtaggggt gaagtattc tcatatatat tcatcattag tggatatctg tttcatttac 180
 tataaaacac attgcatcaa tgcactttaa aaaaatctta ctcgag 226

<210> 722
 <211> 222
 <212> DNA

<213> Homo sapiens

<400> 722

```
gaattcgagg ccgctgcgac gttaatattg aagtacagtt ggcttcagaa ctactatttg 60
ctgccattga aaaaaatggt ggtgttggtt ctacagcctt ctatgatcca agaagtctgg 120
acattgtatg caaacctggt ccattctttc ttctgtggaca acccattcca aaaagaatgc 180
ttccaccaga agaactggta ccatattaca ctggtaactcg ag 222
```

<210> 723

<211> 184

<212> DNA

<213> Homo sapiens

<400> 723

```
gaattcgagg ccgctgcgac ttaagatctt gtggtcacaa ctgatgaaag ggcgccttga 60
catctgtctg tgctctgttt tctttttgga gatagagctt gtctctgtca cccaggctgg 120
aatgcagtgg cgcgatctcg gctcaactga acctccacct cccagggtta agcgatatct 180
cgag 184
```

<210> 724

<211> 304

<212> DNA

<213> Homo sapiens

<400> 724

```
gaattcgagg ccgctgcgac cccaaaagga cccagacatg gcaatggaga tttgtgtctac 60
ggatgtctga gatgatattg aagaaggctt taaagtctta atgaaggcag acctggtag 120
acaggaatcc ttgcaagcag aggttatccc agatccaatg gagggagagc aaacctggcc 180
cactgaggag gagctgagcg aggcaaagga tttcttgaag gaaagtctta aggtggtaaa 240
gaaggctccc aaaggaacat ccagttacca agctgaatgg attttggatg gtggcagact 300
cgag 304
```

<210> 725

<211> 234

<212> DNA

<213> Homo sapiens

<400> 725

```
gaattcgagg ccgctgcgac attgaattct agacctgccc taccattcac ccagctcaca 60
gaactgccaac aggaagtgtt gtttggttag tttctctcca ctgtctacc cctcctttgt 120
ccttagacca acatgtttac ctctctgctt tgccaaacta gccagcaggc catccccggc 180
cctaactgtt cctggccatt atctcttagt tatggctttc acgtctctct cgag 234
```

<210> 726

<211> 160

<212> DNA

<213> Homo sapiens

<400> 726

```
gaattcgagg ccgctgcgac gaggggggtg ggttacatga gtatatatat ctttatcaaa 60
actgaaagaa ttgtacctt taagattctt aggcacaagt cagtgggtca tgctgtgat 120
cccagcactt tgggaggtcg aggtgggttg atgctctgag 160
```

<210> 727

<211> 335

<212> DNA

<213> Homo sapiens

<400> 727

```
gaattcgagg aaagaggcct agcatctgtg agtgggggac ttttgggttg agcttatttt 60
```

```

accttttttt ttttttttaa ttcttggtgc tcttttatca cctttctctaa ttttttaattg 120
tgtctgtttg caatatgggg gtcagacttt ttttatcatt acctttttctt ttcttttggt 180
gtacattttac cttttttcaca aatactgtaa gctgtcttgc tctttgcagg actacagggc 240
ctgggcaggg cccccagca acaattcacc cacagtgcac ctgcacatgc ctttcttaca 300
tgcttgcctt gtctcgaact agtcacaatc tcgag 335

```

<210> 728

<211> 425

<212> DNA

<213> Homo sapiens

<400> 728

```

gaattcggcc aaagaggcct acaacccccg ggacaaccag ctctatgtat ggaacaacta 60
ctttgttttg cgctatagcc tggagttttg accccagat cccagtgtctg gccagccac 120
ttccccgctt ctccagtacca ccaccacagc ccggccccaca cccctcacca gcacagcctc 180
gcctgcagcc accactccac tccgcggggc accccacc acacacccag tgggtgccat 240
caaccagctg ggacctgacc tgcctccagc cacagctcca gcaccagta cccgaaggcc 300
tccagccccc aatctgcctg tgtccctga gctctttctgt gaaccagag aggtccggcg 360
ggctccagtgg ccagctacc aacagggtat gctggtggag agaccttgc ccaagggaac 420
tcgag 425

```

<210> 729

<211> 137

<212> DNA

<213> Homo sapiens

<400> 729

```

gaattcggcc aagtatttct tcaaccagct gtttggagag gaagatgctg atcaagatgc 60
tgatcaagaa gtgtctctct acagagctga ccttgaggct gcttgggaac caacagaggc 120
tgaagctaga gctcgag 137

```

<210> 730

<211> 196

<212> DNA

<213> Homo sapiens

<400> 730

```

gaattcgcgg ccgcgtcgac cctgggcaac atagtgcagc ccattctctaa agaaacaaac 60
aaaaaatcaa ttgtatttct agatactagc agcaaaacaac ttaaaaatga aaattagcca 120
ggcgcggttg ctccagcctg taatggcagc actttgggag gccaaaggtg ttggatcacg 180
aggtcaggag ctcgag 196

```

<210> 731

<211> 439

<212> DNA

<213> Homo sapiens

<400> 731

```

gaattcggcc aaagaggcct acagaatgaa gctccggcta attgcatttg tcttaactct 60
ctggactgaa accttggcag accagagccc agggccaggc cccaggtacg cagacgttgt 120
gtttctggtg gacagctccg attacctggg aattaagtc ttccatttg tgagaacttt 180
tctcaacaga atgacagca gctccctcat agaggccaac aagtaaccgg tggccttggc 240
ccagtcacag gatgtctctt acaatgagtt ccagctgggc acctcaaga acaggaacct 300
catgtgaac cactgaaga agaacttcgg gtccatcggt ggctccctga agatagggaa 360
cgccctgcag gagctcacag gacctatttc tctgtctcca gaagtggag agacaagaaa 420
cagttccccc aaactcgag 439

```

<210> 732

<211> 259

<212> DNA

<213> Homo sapiens

<400> 732

```

gaattcgggc aaagaggcct acaggcttcc cgcaattaaa acatgtcctc tgatcattac 60
tgcccatgga gcggttctga gattgaagga tggcggcgc taagcctgca ttggtgagag 120
gacccccaaag ctctcgacag accctgagcc agtcttgtaa gcctttgttc tttcttgggg 180
ctatggcgc tcggcactcc tttgtggett gctcatagat tagctgttct atcagaggcg 240
cagcttgctc tgactcgag                                     259

```

<210> 733

<211> 231

<212> DNA

<213> Homo sapiens

<400> 733

```

gaattcgcgg ccgcgtcgac cgagtctgag tggctgaatt ctacacatct ctctagtcct 60
tctgaagccc cactcttgga gcgtgcctc tgatcacccc agcccacagt gatctgagtt 120
cacagagcac atcctgtttg aatgccccat ttgaatcaca gcctatctct ctttttgagt 180
gttggttggt ccttaagtgc acagatggct tttcaccagc tggacctcga g          231

```

<210> 734

<211> 352

<212> DNA

<213> Homo sapiens

<400> 734

```

gaattcgggc aaagaggcct aagtgattcg attcaacata gactacacga ttcattttat 60
cgaagagatg atgcctggga atttttgtgt gaaaggactt gaactgtttt cattgttctt 120
attcagagat attttggaat tatatgactg gaatcttaaa ggtcctttgt ttgaagacag 180
ccctccctgc tgcccgagat ttcatttcat gccacgtttt gtaagatttc ttcagatgg 240
aggcaaggaa gtgttatcca tgcaccagat ccttctctac ctgctgcgct gcagcaaggc 300
tctggtgccc gaggaggaga ttgccaacat gctccagtgg gaggagctcg ag          352

```

<210> 735

<211> 241

<212> DNA

<213> Homo sapiens

<400> 735

```

gaattcgcgg ccgcgtcgac gtctgcaccc ctttctccat cgtctcccgg aggtcctggt 60
gggcgggaag gaccagggtc accctgtgg cccttctcgc ctggcaaccc agccaggccg 120
tcgaaacccc ggtaaccctt ggggccagtt tgtccaggca ttcctctggc tccatcactc 180
ccagcccgac ccgctcttcc gggcttccc gcccggaccag gggggccttg cacacctcga 240
g                                     241

```

<210> 736

<211> 465

<212> DNA

<213> Homo sapiens

<400> 736

```

gaattcgggc aaagagccta gggaggtttg tttcctgacg ggaggtlaggg ggactgctga 60
ggataaccag gaccaagggt tcggccccc actaagggggt accctggacc agagtactag 120
ttggagccgt acgatagcca ggctggggcg ggcactcct ctgtggagac caagaqtaac 180
ccaccatggc cctgggtcct gcatgaggtg atgggtaagg acccagaggc ccaccatagg 240
aggaaggctg ggccaccaca gggaaggggg ctggctgcag ggctcccttg gctgtcgggc 300
ccacaggcaa gcctggggat gggctgtagg gcaaagggtg gggagtcact acagagggt 360
gtggaggctg tcttcagtc tcaggcgggt tcgctgggg tactgggcgt gggggcggcg 420
ggcgcttttg agggacatct ccagccagct ccggcaaacg tcgag          465

```

<210> 737

<211> 509

<212> DNA

<213> Homo sapiens

<400> 737

```

gaattcgcgg ccgcgtcgac caaccgtcaa aatgtccaaa gaacctctca ttctctggct 60
gatgattgag ttttggtggc ttacctgac accagtcact tcagagactg ttgtgacgga 120
ggttttgggt caccgggtga ctttgccctg tetgtactca tcttggctct acaacaggca 180
acagcatgtg ctgggggaaa gaccagtgc cctactccgg ttgcaaggag gcgtcatcc 240
gcactgatgg aatgaggggt acctcaagaa agtcagcaaa atatagactt caggggacta 300
tcccagagag tgatgtctcc ttgaccatct taaaccccag tgaaagtga agcggtgtgt 360
actgtgccg catagaagtg cctggctggg tcaacgatgt aaagataaac gtgcgctga 420
atctacagag agcctcaaca accacgcaca gaacagcaac caccaccaca cgcagaacaa 480
caacaacaag ccccaccacc actctcgag 509

```

<210> 738

<211> 343

<212> DNA

<213> Homo sapiens

<400> 738

```

gaattcgcgg ccgcgtcgac gagctgggtg gtgggtgtgt agttggctgt gaataatgaa 60
ctgcagccaa tcatttgcct tggcacattc tctaaggtaa gatatgctta gtttcattat 120
gtgtagcctg cagaactgca ccactaatgc ccattggctg cttagattcac tggataacct 180
ctttatttcc tgttgcgtga tgcgtgtcca tgtaccttct tctaagagaa caagcaattc 240
ttctgtgggt gtcttttccac catcagctag ttttagatgt ttttcggcta cagactctct 300
gataaagctg tactgagcga ttgaattcta gacctgcctc gag 343

```

<210> 739

<211> 106

<212> DNA

<213> Homo sapiens

<400> 739

```

gaattcgcgg ccgcgtgacg aggggttggg tgtttttttt cttcttttct tttaaataaa 60
aatgctgcaa ggtttccgcc tctgcgttcc cgttgtgctg ctcgag 106

```

<210> 740

<211> 479

<212> DNA

<213> Homo sapiens

<400> 740

```

gaattcgcgg ccgcgtcgac cgggaaacca aaatggcgag gggtgtatt gaagtgggct 60
gtgtttgagg ccggtgtaag aacgctcatt ctacccccaa cccttgtctc caaggacctc 120
ggtttgtgct tgcattatgt ccgggtaccc ggtggggcgg gtgcccagta agtgctcgga 180
ctcgcagggg aagcgcaccac ggggacggat tggttgtttt ttctgtatg aagcggttgg 240
caccactgaa gtgaccgaat gaggtgagag accttggcct gggaaccgac tcttcgggag 300
gagatggggg ttgggggaaq qaggaagaaa gaaagcaagt ataaaaggga aaqatqqaq 360
accaaggtgg ggggtggggc tctgtatgt ggggtgcctt gcatttatgt glataltgaa 420
aagaatgcat gaagaggagt agtcagttga gtgttgggag aaaaatgaga ctactcgag 479

```

<210> 741

<211> 195

<212> DNA

<213> Homo sapiens

<400> 741

```

gaattcgcgg ccgcgtcgac gtgtcttctt ctctaaaaat aagtcagat cacattcctg 60
ttttcqaaaa tgataggcaa aagttgggga acattacatg atatccaaaa cacgtttatt 120
ctatatctgt gtttcagatt tcatcttcta gcaattgggt tacgagttac tgtgctaaat 180

```

ccacaaactc tcgag

195

<210> 742

<211> 592

<212> DNA

<213> Homo sapiens

<400> 742

```

gaattcgcgg ccgcgtcgac ccatttggct gaagatgaga ccattcttcc tcttgtgttt 60
tgccctgctt ggctctctgc atgcccaca agcctgctcc cgtggggcct gctatccacc 120
tggtggggac ctgcttggtg ggaggaccgc gtttctccga gcttcatcta cctgtggact 180
gaccaagcct gagacctact gcacccagta tggcgagtgg cagatgaaat gctgcaagtg 240
tgactccagg cagcctcaca actactacag tcaccgagta gagaatgtgg cttcatcctc 300
cggcccccag cgctgggtgg agtcccagaa tgatgtgaac cctgtctctc tgcagctgga 360
cctggacagg agattccagc ttcaagaagt catgatggag ttccaggggc ccatgccgcg 420
cggcatggtg attgagcgtt cctcagactt cggtaagacc gggggagtgt accagtacct 480
ggctgcggac tgcacctcca ccttccctcg ggctcgccag ggctggcctc agagctggca 540
ggatgttcgg tgccagtcct tgccctcagag gcctaataca caccactcgc ag 592

```

<210> 743

<211> 367

<212> DNA

<213> Homo sapiens

<400> 743

```

gaattcgcgg ccgcgtcgac gtgaccttgg ataaattcct taagttcttt ggtgttcttt 60
catctttttt taaataatag ctttattgaa gtatacagtc atgttgagaa atgcgtcatt 120
agacaatttc gtacatgcgt gagcatcaca gagtatactt atattaaccg agaggtataa 180
cctacccccc acctaggcta tatgatatag tctattgctg ctagtctgca aacatgtgca 240
gcatgttact gtactgaata ctgtaggcaa ttgtagtaca atggtatttg tttatctgaa 300
catatctaaa ctaacaaaag tacagaaaaa tgtgatataa cagattttta aaaggtacgc 360
gctcgag 367

```

<210> 744

<211> 655

<212> DNA

<213> Homo sapiens

<400> 744

```

gaattcgcgg ccgcgtcgac tccaaatgag aaaaaagtgg aaaatgggag gcatgaaata 60
catctttttg ttgttgttct ttcttttgcg agaaggaggg aaaacagagc aagtaaaaca 120
ttcagagaca tattgcatgt ttcaagacaa gaagtacaga gtgggtgaga gatggcatcc 180
ttacctggaa ccttatgggt tggtttactg cgtgaactgc atctgctcag agaatgggaa 240
tgtgtctttg agccgagtcg gatgtccaaa tgttcattgc ctttctctcg tgcattatcc 300
tcattctgtg tgccctcgct gcccagaaga ctctttaccc ccagtgaaca ataaggtgac 360
cagcaagtct tgcgagtaca atgggacaaac ttaccaacat ggagagctgt tcgtagctga 420
agggctcttt cagaatcggc aacccaatca atgcacccag tgcagctgtt cggagggaaa 480
cgtgtattgt ggtctcaaga cttgccccaa attaacctgt gccttcccag tctctgttcc 540
agattcctgc tgcgggtat gcagaggaga tggagaactg tcattgggaa attctgatgg 600
tgatatcttc cggcaacctg ccaacagaga agcaagacat tcttaccac tcgag 655

```

<210> 745

<211> 268

<212> DNA

<213> Homo sapiens

<400> 745

```

gaattcgcgg ccgcgtcgac cactgtccaa cttgaccttt taaataatct gacttaactc 60
ctttttaatt taaatcctgt ttaattccat gacactggaa gctatatata taataacctt 120
cttttcattt tttagttaga caactagtgg ttggaagagc cagggcctgc tgtcagtagg 180

```

aagtaatcgt gatcgagaga tcagcatgtc tgttgggtctg ggaagatcac aattagattc 240
 taaaggagga gtaqtlggag ttctcgag 268

<210> 746
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 746
 gaattcgcgg ccgcgtcgac ataagttaaa gatgtatagc gtgtataata cttactata 60
 ccttatcata gtgattcacc ttaccatagt gaaccttaaa atagtatact tctggccagg 120
 cgcggtggct taagcctgta atcccaacac tttgggaagg agaggtgggc cgaacctcga 180
 g 181

<210> 747
 <211> 694
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (35)

<400> 747
 gaattcgcgg ccgcgtcgac ataaaaagaa aagtnagggg ggtattgaaa tcgttaaaga 60
 gaaaacaact aggagcaagt caaaggagag gaaaaaatct aaaagcccat ccaaaagaag 120
 taagtctcaa gatcaagcaa ggaaatcaaa atccccacc cttagaaggc gatctcaaga 180
 gaaaattggc aaggccagat ctctactga tgataagggt aaaattgaag ataaaagtaa 240
 atcaaaagat aggaaaaaat ccccaattat aaatgaaagt agaagtcgcg atcgaggtaa 300
 aaaatccaga tccccagttg atttaagagg taaatccaaa gacagaaggc cacggtecaa 360
 agagagaaaa tcaaaacggc ctgaaactga taaagaaaag aagccaatta aatctccctc 420
 taaagatgct tcattctggga aaqaaaatag gtcaccacag agaagacctg gtcgtagtc 480
 taaaagaaga agtttgtctc caaaaccacg tgataaatca agaagaagca ggtctccact 540
 tttgaatgat agaagatcta agcagagcaa atccccctcg cggacactgt ctctggggag 600
 aagagccaag agccgatcct tagaaagaaa acgacgagaa ccagagagga gacgactttc 660
 ttctccaaga tccccctaag aacacgacct cgag 694

<210> 748
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (672)

<400> 748
 gaattcgcgg ccgcgtcgac cataaagtha attctcataa tttttgctgg gtttaataat 60
 tcaaaatatg aatcaaaatt tttatttatg caqtltcatt ctattaaaat tatctgctaa 120
 attaatatta agtagtctta tagcatatat tatttaataa ttgcaagtag tgacatatca 180
 taaataaact gtataatatg tattattgat ctgtttattt ttttttctct aqcaatgcac 240
 agggaaccag taaatttcac aagcagagaa taactaactg tcattttatt aatattctaa 300
 acaaatgaag ccgcctctat aagtgaattt ctgggacttc taaagatgag cattgttgag 360
 ttttaataact caaattttta ttgtgttaag taaagtatat taaatataac ctccacctaa 420
 tgactcaqct gtaattaaaa aagaattcac gaccagcctg ggtaacacgg tgagacccca 480
 tctctacaaa aataaaaaat aaaaatgaaa attaaaaaaa attagccagg catgggtggc 540
 tatacccaag tactctgaag gccgagggg gaggattgct caaacctagg agtccaaggc 600
 tgtagtgaac tgtgataatg ccactgtact ccagcctggg aaacagagca agacctgtc 660
 ttttaaaaaa cnacaacaaa cctacacatg aaaattattg ctgcttccct cgag 714

<210> 749
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (25)

<220>
 <221> unsure
 <222> (230)

<400> 749
 gaatttcgagg ccgcgtcgac gtgtnggaga aaaaactgct gagaagccaa agaaactgcc 60
 accacagggg agacagagtt tgttgttcaa atcccaccaa gtagaggagg gcttggtaaa 120
 caccttgggt tttccactga aacttcaaaa agatgggttca tgccttagaa gtaaagattg 180
 agttttaaatt aaggacagaa aaatattgat tggatttgcc tttttgaccn actcaggaac 240
 aatttcgggt taggaatggg tatgggagag agagagaaga gcaggctaac gaaatagcaa 300
 acaactcttg agagagtctg ttgtatggag aaatagggtt gtatttggat ggggaagtct 360
 tgtttcttag gatggaagac actagagcaa gtctgttttt tgggtttttt ttgagatgga 420
 gtcttgcttt gttgccagc ctggtgtgca gtggtgcaat ctccag 466

<210> 750
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 750
 gaatttcgagg ccgcgtcgac agtaaacactt aactcttcta taagtaatag aatctattta 60
 gtcttggaaga gtagtgata gattgcaagc tcattaccta gtttcacttt caaccagaac 120
 tggaagaaat attaatggg acaattacac taaaaatatg caaagtatac attttaagta 180
 ttttatgttc cagaacagct gccacatgtg atactataat caatctaata gaaataaaag 240
 tccacctctt cttagaacat aggttctcca ctggaggcag ttttgctccc cagggggatg 300
 ttgacaatgt ctggacacat ttttggtttt cacagcgggg ggagagaggg actgtgtgcc 360
 attggcctct agtggataga ggccggggat gttgctaaac atcttacaat gcagagaatc 420
 acccactgac gacaatgaat tttctgtcc aaaacgttaa cagtaccaag attttggaac 480
 cctaccttaa gagtatacat aaggtaatgc ttttctaaaa ggtctgtgtt agagttgcat 540
 atgtatccag caacatgtga gccctaggac agggccttgc ccataatacc cctcactcg 600
 ag 602

<210> 751
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 751
 gaatttcgagg ccgcgtcgac gattaaagga tttacctgaa gagaaagcat tctattcatt 60
 agagactgga caagagttac ttttgcatct ggcaattaaa gatgatgttt ccatggaaac 120
 agttgatcct gctttcattt attggtgtgt taggaggtga gcttctctta caaggccctg 180
 tatttarcaa aqaaccagc aacagcattt tccctgttgg ttcagaagat aaaaaataa 240
 ctttgcatgt tgaagcaaga ggcaatccat cactcatta cagatggcag ctgaatggaa 300
 gtgatattga tatgagtatg gaacatcgtt ataagttgaa tggaggactc gag 353

<210> 752
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 752

```

gaattcgcgg ccgcgtcgac ggggcaggga taaattcgta aaaataaaaag aaatctttat 60
taaaacccaaa tgccatggaa atttttttaga gaattctcat agttatacta aacctgagga 120
aaaataacat aatattgact gtttaaagag aactctgttt tcaagcctgt aaaactaatt 180
gatataattt tctacctaga atttagatat tatgaaattt ttttttgtaa ttgttttttt 240
ctttaggatc acagtatcac tcgag                                     265

```

<210> 753

<211> 589

<212> DNA

<213> Homo sapiens

<400> 753

```

gaattcgcgg ccgcgtcgac cactttacct gtctqtaaga tggacatggc taggtctacc 60
catgaggggt atgtggggat tggagaaaat ggaagtaaag aactagtcca gagccacct 120
tggtgaaaag ccactgtcat catcatttac catcgctatt ctccatccca gccatccacc 180
caccaccgc cagcgtgctc ttctctgtg accgatgtct ccggtgtagc catgaacctg 240
catgctcagg atgcagacga cggtttgga agagggtgcg tgactgcctg gtgggaacgc 300
atgtcagctt cccatgaagg ggcaccttgg gtgagctcac tgtttcttaa cggcatctgg 360
cattttctcc ttctccattt gaccatgtca gttatccca tctacacga ctgctcactt 420
catttaaaaa aacctagttt gctttttttt aaacctttta tgtattctaa gtgatagaag 480
gtatggctct ggtctacgat atgtttttta tttttcttga aatacataaa tattaataa 540
aaattgtgct atgtttccaa ctaagatcat cttgaatctc acctcgaq 589

```

<210> 754

<211> 360

<212> DNA

<213> Homo sapiens

<400> 754

```

gaattcgcgg ccgcgtcgac taagtacagc aaaaaagaaa gggggggaag aaaagaagaa 60
ggaagaggaa agggaggagg aggatttate attcaattac actagaaaca gtgaaaatag 120
ataatagcta taatttactc acatcttate taaaacacaa attcagggtta atttatgagc 180
aagtcatttt ccggtgggtt ttcatagatg tgtgaatttg gaatgaatgc tggtaacttc 240
agctcccttc cacctgcagc accaggaagc cattgttctg gggaggccac caacttggct 300
ggcatgttgc ttctgcctca gttagtgatg atggtgatct ggagagaaag gacactcgaq 360

```

<210> 755

<211> 536

<212> DNA

<213> Homo sapiens

<400> 755

```

gaattcgcgg ccgcgtcgac gttgggatat ggggtggttg actaaagaat ggttctctct 60
tctaattcgc caaatttttc atccagatta tggcatgttt acatatcaca aggattcaca 120
ctgccatttg tttagcagct ttaaatgtga taactattct gaattccgat tggttggaat 180
tcttatggga ctagctgttt ataacagcat cacttggat attcgtttcc ctccctgtct 240
ttacaagaaa ttattgagcc ctcccatcat tcttagtgat caaaatatac cagtaggcac 300
ctgcaatgtt acggtggacg acttatgtca aattatgcct gaatttggcc atggattaag 360
tgaactctta tcacatgaag gcaatgtcga agaagatttc gattcaacat ttcaggtttt 420
tcaagaagaa ttggaacaa tcaagtccta taatttaaag ccggtggtg ataaaatttc 480
agttaccaat caaaatagaa aagaatatgt acagctttat accgactttc ctcgaa 536

```

<210> 756

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (192)

<400> 756

```

gaattcgcg cgcgctcgac cgaaggtgga ggtggaagac cagggatgca cagctcagaa 60
ggcaccaccc gtggtggggg gaagatgtcc cccacacca actgctatgc ccagcgtac 120
taccctatgc cagaagagcc cttctgcaca gaactcaacg ctgaggagca ggccctgaag 180
gagaagggaag gngaaggga gctggaccca gctgacccac gccgaaaagg tggccttgta 240
ccggtccag ttcaatgaga cctttgcgga gatgaaccgt cgtccaatg agtggaagac 300
agtgatgggt tgtgtttct tcttcattgg attcgcagct ctggtgattt ggtggcagcg 360
ggtctacgta tttctccaa agctcgag 388

```

<210> 757

<211> 259

<212> DNA

<213> Homo sapiens

<400> 757

```

gaattcgcg cgcgctcgac cttagcactt caatttaaaa acatagaggt ggaattttta 60
atgttatttt gagttgactt tggcaggctg aaagaaagta aattaaaaaa aaaaacaaaa 120
acctagagct gttgctctcg gagataagct ctgggaaaac ttatcttagt acctcatgct 180
atttttaaaa cagtacattt atttttgcca gctgataccc ttctgtgagg agttgaattt 240
gaagaccact gggctcgag 259

```

<210> 758

<211> 258

<212> DNA

<213> Homo sapiens

<400> 758

```

gaattcgcg cgcgctcgac gtcaccacgc ccagcccaag aaagatacat ttttaaaaac 60
agctttattg tggataaatt gacgtaaaat gtacatactt aaagtataca gtgtgatgtt 120
ttgatataata tgtatactct tgaaaccacc accacagtta aaataatgaa aatgtccatt 180
acctccagaa gtttcttcat gttttgttgt aatctctctt tctctctctt gattcctccc 240
catccccagg caactcgag 258

```

<210> 759

<211> 177

<212> DNA

<213> Homo sapiens

<400> 759

```

gaattcgcg cgcgctcgac agtattttaca gtttgactga cattgcttgg ctgcccataa 60
taaaagtgtt tgcctgggtg ctattgaatg ctttttaact tagtttttag acaattttgc 120
aggttttatt taagcatgtt gtattttgga ctgaggcaag tctttgcgga actcgag 177

```

<210> 760

<211> 166

<212> DNA

<213> Homo sapiens

<400> 760

```

gaattcgcg cgcgctcgac tgtaaatctt gtaattaatg gtcaaaactgt ataaagggat 60
tggtagtcaa aacatgraca aagaaatanc tgtaaaactg ttttgtctca tgttttattg 120
gaccaaagtt gtggcttgta tggagtgtag taqtagtqqa ctcgag 166

```

<210> 761

<211> 208

<212> DNA

<213> Homo sapiens

<400> 761

```

gaattcgcg cgcgctcgac atcaaatcac gggactgttc agcacaaga aactgaactt 60

```

gccaatgltt acagttctga gaagggtctc catcctgttt acaatgtttg ctgaaggagt 120
 ttactcaag aagaattttt cttggggat taaaatgact gtatttgcaa tgattattgg 180
 agcctttgta gctgccagct cctcgag 208

<210> 762
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 762
 gaattcgcgg ccgcgtcgac aaacatactt gtttttaact ctcaggaatt tcattgaggaa 60
 caagttttaag ttttatatat atctatgtat gcttttcata aaccacaaat aagttttatac 120
 acttttagctg gaacttttta taatttcaga ggggttattg aactgactgt tggcatttga 180
 tataagaatt tggcttcagg catttctat tgagggttta aaaatgttta aatatcttac 240
 tgtaattttt ttgttttgtt atttgggaca atgcagctgt aatctcgag 289

<210> 763
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 763
 gaattcgcgg ccgcgtcgac gaacagttag tagtagggct aagatttggg ttcagatttt 60
 atttccaact agaaagacca ttttaacact gttttgggta ttgtttgtag agagctttct 120
 aaataagtgg gtacctttat tatgattaag aaagtaattg actatttggg aggatttcat 180
 acagaattat tgataagcac gctcgag 207

<210> 764
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 764
 gaattcgcgg ccgcgtcgac gagaaggagg ggaacaagca gagactttta ctgggacaag 60
 taaatcaagc cttcagcaac tcaaggaaaca aacatacaag acaagctcaa ctctctgtta 120
 agaccaaatt aggataacac tacaagaaaa taaattgttt tatctgggtg tgggtgctttg 180
 gggatagtta attgactact caaataacaa ctttgatagt atatgaactg tgactgtgtt 240
 agtaggtttt aattagcagg aactttttgt aaattggaca aaaacttttt ttattatgac 300
 taggaaaact gctgttttct atttttgttt tgctctttta aataataccg aactcgag 358

<210> 765
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 765
 gaattcgcgg ccgcgtcgac ctactgtttt ctgtgttata ctttgtgtta gtgcagagtg 60
 ttgggtgtaa ctggctatcc ttttgggaac cttttgttat ttaataattt ttaattgttt 120
 acacattttt agaaagtatt cgtttccgta taggatgalt gtatgggtct tctcgag 178

<210> 766
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 766
 gaattcgcgg ccgcgtcgac ttgaattcta gacctgctc gagttgcta ctgatttcaa 60
 gtattacatg aagcttgtta aaataacaag cagttacctc gag 103

<210> 767
 <211> 407

<212> DNA

<213> Homo sapiens

<400> 767

```

gaattcgcgg ccgcgtcgac ggcaagtctt aaaaactcga tttttatttt tatttgtatt 60
tacttatttt gtttatttat ttgagacaga gcaagactcc gtctcaaaaa aaaagcaaaa 120
caaaaaacaa aacaaaaaca aaagagggtgc aggccagaat tgtccccgtg gacatagttg 180
gtcaattaga ttgcatactt taatccagcc tcagttggtg tgtctgggtt ttctggctag 240
gaagaatgct gctgtggaat gtgctggaac agatccttac gtgcgctgtg ctggagtctt 300
tccaggtcag gggttctcaa acggatttca ggaccttca catcatccag aatgatecaa 360
tagccccagg agcctgtgtc tgtgtggatt atatctgccg gctcgag 407

```

<210> 768

<211> 268

<212> DNA

<213> Homo sapiens

<400> 768

```

gaattcgcgg ccgcgtcgac gttcattgag gtttaagaga ataaaagaaa ccaaaaaaga 60
acttcacaat tctcccaaaa caatgaacaa aacaaaccaa gtgtatgcag caaatgagga 120
tcataactct cagttttattg atgattattc atcttcagat gagagtttat ccgtcagcca 180
cttcagtttc tctaaacaga gccacagacc aagaactata agagacagaa ctagtttttc 240
ttcaaaattg cctagccata aactcgag 268

```

<210> 769

<211> 372

<212> DNA

<213> Homo sapiens

<400> 769

```

gaattcgcgg ccgcgtcgac aaattactta taaatttttt atagttgtat ttttgacctg 60
ccttttatat gtatgaatat ttcatagttt tgcataatcag atgtaggcat acagacaaat 120
acataaacca atgaatatat tacatattct gtgttccaat aaaactttat ttatggacac 180
taaaatttga atttcataaa attttcccat gtcaagaata caaaatactt gagttttgtt 240
tttagctatt taataatagg tctcatttat tccacaggct gtagtttgta gtcttgcttg 300
aaacaataga aacagactga ttaagcagga gaagtttttt gaaagaattt tgttttggctc 360
agcaatctcg ag 372

```

<210> 770

<211> 126

<212> DNA

<213> Homo sapiens

<400> 770

```

gaattcggcc aaagaggcct aggggggtaat ttacatatgg ggtgtatata ttctaaaaat 60
agtaataaaa gtacctttta taagcaatgt tgtgtggctt gtagaagaaa gcaggaggga 120
ctcgag 126

```

<210> 771

<211> 311

<212> DNA

<213> Homo sapiens

<400> 771

```

gaattcggcc aaagaggcct aqtagaactc aagaagacag actaccaaqg gtcatctgaa 60
gtcgtgattg ggtaactaat aacaccagga caaagttaag ggatcactac tcaagcataa 120
gccccagttt tcataagact gctgtgaaga tgtttgatat aaaggcttgg gctgagtatg 180
ttgtggaatg ggctgcaaag gacctctatg gcttccctac aaccgttatt ttggccctta 240
ctccactgtt cctagcaagt gctgtactgt cttggaaatt ggccaagatg attgaggcgg 300
ggaaactcga g 311

```

<210> 772
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 772
 gaattcggcc aaagaggcct aaagtcaaga acagtttttc actgcagctt ttagatatar 60
 tttggtcata tactgtttac acaattgcc aattcttgcca aatttgtgtt tgtgcatttt 120
 attttcctcc tttaatgtac tgctctgcaa ttatgcttgt aaaatgtttt tctgtttcac 180
 tcgag 185

<210> 773
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 773
 gaattcggcc aaagaggcct atgggtgaccc agccagataa tagtatcttg agcaaataat 60
 agtatcttga gtgcaaataa gcaggaagac tgctcttcaa aaaatgtggg gttacatgat 120
 tttcagagcc tttttttcag agttgagcat cttttctttt aaaagaaata aggggcaaga 180
 ggaccaatct tattccttga ggaaaaatga cacacccttc tcccaaaaga aagaaaactc 240
 tctggccccc ccccttctcg ag 262

<210> 774
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 774
 gaattcggcc aaagaggcct acacagactc ttgcaagctg gatgccctct gtggatgaaa 60
 gatgtatcat ggaatgaacc cgagcaatgg agatggattt cttagagcagc agcagcagca 120
 gcagcaacct cagtcctccc agagactctt ggccgtgate ctgtggtttc agctggcgct 180
 gtgcttcggc cctgcacagc tcacggggcg gtctgatgac cttcaagtgt gtgctgaccc 240
 cggcattccc gagaatggct tcaggacccc cagcggaggg gttttctttg aaggctctgt 300
 agcccgattt cactgccaag acggattcaa gctgaagggc gctacaaaga gactgtgttt 360
 qaagcatttt aatggaaccc taggctggat cccaagtgat aattccatct gtgtgcaaga 420
 agatctcgag 430

<210> 775
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 775
 gaattcggcc aaagaggcct atagagacat gaagaggctt gaagaaaagg acaaggaaag 60
 aaaaaacgta aagggtattc gagatgacat tgaagaggaa gatgaccaag aagcttattt 120
 tcgatacatg gcagaaaacc caactgctgg tgtggttcag gaggaagagg aagacaatct 180
 agaatatgat agtgacggaa atccaattgc agttctcctt ata 223

<210> 776
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 776
 gaattcggcc aaagaggcct aaagattcga acaatgagtt taccagctct gagaaaaatg 60
 aactgtctca gaaccttcaa gaatgtttct ctgtatcacg cccacatcac accgaatcca 120
 ttgtctctca ttgcagagtt catctttctg gttttgagca ccatctcaca cagttctttg 180
 cttttttcca gtctgtgtgt gactgggtta gctcagcccg aaaggtgccc ccaactccctc 240
 gag 243

<210> 777
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 777
 gaattcggcc aaagaggcct agagcaagga ggtactctga gagctctggg ttgcagaaag 60
 agagaaaaga caggatagat gaagagtagc caaaactcgg tagaactggg gggagttact 120
 gagcagacag gatggcatca cagagtgtgc catgggtgggg taggagggcg gccaacaggg 180
 acagaggagg gtctctctgcc agggagagaa acagagggaa tttgggggaa accagttgca 240
 gatctcgag 249

<210> 778
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 778
 gaattcggcc aaagaggcct acaaaaacca caaaagtgtc tacaagtctc ctggcatatc 60
 tctatcttca gacactgaac ctgcagtagc aacctgtttt ctccaccage ctagggttca 120
 taatcttata tgcctgcatg gacccagaaa taaatcagag tacagcccca cctggggccac 180
 tatctatagg aaaaaccagt ccttccacct gcatttcaact ctctccaacc cagggaacttt 240
 gttttctttt aacttttatt tttggttggg tcaggggtat actcgag 287

<210> 779
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 779
 gaattcggcc aaagaggcct actttcataa atagaatttt catttttata aaattcaatt 60
 tataattttt tatggtttct ctttattaat cccatttaag aaatctttgt gccatgatta 120
 tgaagatgca ctctaattgt tttttccaga agctctgtag gtttagcttt tacctttctg 180
 gggttgtttt gttttgtttt tttgagatgg agtcccactc gtgtcaccga ggtgggagta 240
 caatgggtgca atctcggttc actgcaacct ccacctcccg ggttcaagca attcccctgt 300
 ctccacctct cgag 314

<210> 780
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 780
 gaattcgggg cgggttcgac cggagcagcg cctatttagtg tcatctctac cgtcacggcc 60
 ggcgcctcct cctggattca ttcactcgct cttttcattc acgaaggtag tgaggcctag 120
 tggaaagcca tggagagcgc tctcccgcgc gccggcttcc tgtactgggt cggcgcgggc 180
 accgtggcct acctagccct gcgtatttccg tactcgctct tcaaggccct ccgggtcttg 240
 ggagtgggga atgaggcggg ggtcggcccg qggctcggag agtgggcagt tgtcacaggt 300
 agtactgatg gaattggaaa atcatatgca gaagaattag caaagcatgg aatgaaggtt 360
 gtcccttata gcagatcaaa ggataaactt gaccaggttt ccagtgaat aaaagaaaaa 420
 ttcaaagtgg agacaagaac cattgctgtt gaatttgcac cagaagatat ttatgataaa 480
 attaaaacag gcactactcg ag 502

<210> 781
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 781
 gaattcggcc aaagaggcct agagagagag agagagctat taataaaaca gaggagtaca 60

ttttacccctt gcaattccag tcaataactgt ggtgtcattt cagccaacat accaaccattc 120
 agtcaaatcc caaagccaaa tggataattt cagatggaat ggagttagac aggaactggc 180
 tcccccttct cctgttacta tgaggacaac cctcgag 217

<210> 782
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 782
 gaattcggcc aaagaggcct aggaatcatt gcttactggg tagagaattt ctgttcggga 60
 tgaaaatttt tagaaacaga tagtggcaat agttatataa cagtgtgaat gtaattaatg 120
 ccactgaact gtacagttaa aaatgggttaa catggcaaac ttatatctat tttgccacaa 180
 ttaacaacaa caaaaaaagc atgggctatt agactcgag 219

<210> 783
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 783
 gaattcggcc aaagaggcct aggggagcgt tgtgttccat gctgctgtcc aggcacccag 60
 cggcatgagt agcctatgca acctttagag caaggcggtc gggccttcgc atcccaacat 120
 gggcactgta tgatgtcccg catcaggctt tcttatgtct gcctggagac cctaattatg 180
 ggccggcataa tttgtccttg acggctctcat gcattttctg ggctgaatat ccggcaagca 240
 ccagggttta gctcgag 257

<210> 784
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 784
 gaattcggcc aaagaggcct attggaaaat agctgtgctg tcagcttttt gaggggggga 60
 tttgttttgg tcagtcagtt ttatcataaa tttggcattt gggttaaaac agcaacatgg 120
 aacaaataat ttttagatgt tggaaattec tgggtttttt tgttttgttt tgttttgttt 180
 ttttgagaca gcgctcttct cacctgggag ttctcgag 218

<210> 785
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 785
 gaattcggcc aaagaggcct acttgttcca gcgagttgac tataattttt tctacctgt 60
 tatctacctc tagctccatt gaacatcttc cttctgttaa gtgatagcca taagttctta 120
 gtagegaaat tattggatca aagagtagga caatttttat ggcaccttta atgtgtgttt 180
 tcaggcattg cctcgag 197

<210> 786
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 786
 gaattcggcc aaagaggcct agtgccaaca aaattttaat ttttctcatt aggattcaga 60
 tttcagatta ggcaaacagt ttgggttgatt ctgtgatgta tgtaaagggtt ggaagggttc 120
 tcgag 125

<210> 787
 <211> 204

<212> DNA

<213> Homo sapiens

<400> 787

```

gaattcgggc aaagaggcct agtgattata aaattccatt tgattctttg tttttctcaa 60
attgcataag cagtgaagtag gaagaagatg atgaaccaca ggaggagtag tcagaagggg 120
agaagaacga gaaaagtaat gtcacagact gtgagggaaa attatccaca aagatgggat 180
gttacagtgc cagatgagct cgag                                     204

```

<210> 788

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (18)

<220>

<221> unsure

<222> (181)

<400> 788

```

gaattcgggc aaagaggcct accccagctg atcttgaact ccagagctca agtgatcttc 60
ctgtcttgcc cttccaaagt gcttgaatta caggcatggg ccacagtgcc cagctgggaa 120
tgatttttag acagcaatct tagtgcttgg ttaatttttg ctttgcatll taaacatgtc 180
ntctctgttt ttttcattcc ctttaccatt tataattttc ttcattatct cactatgaac 240
taatgtaaac acaaaacatg ttcattccct gaatgtaagc tacacactta aacctttttt 300
gatacacttc ccagtttate tgatgccata tgaaaaaact tggatttate tccagattcc 360
tccatatctt gtctttctgt ggatggctca taaagtgtgc gtgtatgtgt gttgtgtttg 420
ctagatacat tataattatt gttatttatt tatttaaaga aaggatcttg ttctgttgca 480
gtggcatctc gag                                     493

```

<210> 789

<211> 151

<212> DNA

<213> Homo sapiens

<400> 789

```

gaattcgggc aaagaggcct acgattgaat tctagacctg cctcgagcta tgcgtttgta 60
tttcttgctc cagcctctga atgttatctt caagttgctt gactctgaac tcatcctctt 120
cagactgccg cctcctgact tccccctcga g                                     151

```

<210> 790

<211> 360

<212> DNA

<213> Homo sapiens

<400> 790

```

gattggctgt tagctttgag ctcagagaga aaaatacatt tagaagtttt tattgtgttt 60
tctttagtta cggtagccta gaataagggg acttaaaatt ggatcccttg aaattatatg 120
ttaattttaa aaataagttt attaggrgga aggtttctgta tcttttatca aaattgcaaa 180
ggagtctgtg aaataaaaag tactcagcct agattctaca gtatttcaaa ctgtcttttt 240
ggattttttt tttagacagc tcttgctctg tggcccaggc tagaggacaa gtagtgccgt 300
cttgactcac tgcacccctc gccctccatg ctcaagctat tattctcatg cctactcgag 360

```

<210> 791

<211> 281

<212> DNA

<213> Homo sapiens

<400> 791

```

gaattcggcc aaagaggcct agaggggatgg agagagagag gaaggaactg cagacccagt 60
acgatgcact gaagaagcag atggagggtta tggaaatgga ggtgatggag gcccgctctca 120
tccgggcagc ggagatcaac ggggaagtgg atgatgatga tgcagggtggc gagtggcggc 180
tgaagtatga gcgggctgtg cgggagggtg acttcaccaa gaaacggctc cagcaggagt 240
ttgaggacaa gctggagggtg gagcagcatg agcaactcga g 281

```

<210> 792

<211> 279

<212> DNA

<213> Homo sapiens

<400> 792

```

gaattcggcc aaagaggcct acagggtgact cgaatgaact ctgcattttc aacgtgcctt 60
ctactgcttc aggacctggg ggtccccctg accctcactg gcttgcccc agccctgggc 120
ctggccccac ctgtcctgga gccagagacc cctggcctgg agctgcctct ctgggggtggg 180
tctcaggccc caccctccc tcttttgagt tcagtgcctt gctcagcccc tccctgtat 240
ctcagcgtct tgagacctct gacagagcga caactcgag 279

```

<210> 793

<211> 326

<212> DNA

<213> Homo sapiens

<400> 793

```

gaattcgcgg ccgcgtcgac ctaaaccgtc gattgaattc aaggcctacc tgggaagaag 60
taaaagagca actagaaaag gaaaagaaag gctccaaggc tttggctgaa tttgaagaaa 120
aaatgaatga gaactggaag aaagaactgg aaaaacacag agagaaattg ttaagtggaa 180
gtgagagctc atccaaaaaa agacagagaa agaaaaaaga aaagaagaaa tctggtaggt 240
attcatcttc ttcttcatca agctctgatt cttccagcag ttcttctgat tctgaagatg 300
aggataagaa acaaggaaaa ctcgag 326

```

<210> 794

<211> 239

<212> DNA

<213> Homo sapiens

<400> 794

```

gaattcgcgg ccgcgtcgac gacaccatgg ccaagctcat tcttgtcaca ggtctggcaa 60
ttcttctgaa cgtacagctg ggatcttctt accagctgat gtgctactat accagttggg 120
ctaaggacag gccaatagaa gggagtttca aacctggtaa tattgacccc tgcctgtgta 180
ctcacctgat ctatgccttt gctggaatgc agaataatga gataccttac aactcgag 239

```

<210> 795

<211> 100

<212> DNA

<213> Homo sapiens

<400> 795

```

gaattcgcgg ccgcgtcgac attgaattct agacctgctt cgagtgaagt acccaatqag 60
gaacctaaaq ttgcaacagc ttatagaccc caagctcgag 100

```

<210> 796

<211> 714

<212> DNA

<213> Homo sapiens

<400> 796

```

gaattcgcgg ccgcgtcgac ctactatgct aaaaaaattc ctgggggtct ggagtcacat 60
aaattatttt caatgcctgt tatttcactc ttgattttcc acaagatgac aagcctcttg 120

```

```

gagatacctc cttgtatcta ctttccaggt tattagatac attattttcc caggtacatt 180
atagttttccc agatacatgt atagctttcc cagatacgtt atttttccat tatatagcaa 240
aattttlacat ctgtggatta gaaattaaat ttcacaaage acctaaagaa gtcttaactg 300
ttctaaatct taagtgaata aagacctggc atgtgtttgt gttgtgtatg tctctctgtc 360
tctctgtgtg tgtgtgtgtg cgcgcgtgcg tgcgtgcgca ttggtatcag ttctgaaagt 420
gtatattggg gctaaagtta ggctcatgct ctcagaaatt tgatgcaaca tgcttggatt 480
atcttgttca atatgagagt taaaaagtac attatagtgc tatcttggaa aagaaagaaa 540
agctttttcag tagtaacctt acatttttgc ttgtatatgt taccttttgc ttctttttct 600
tacacacgta taaaaagta cataatgata atgggtatcat tattgttgtt ttgtttaacc 660
ctcatggatc actgtttccc aggttctctg ctaagtacca tacatgctct cgag 714

```

<210> 797

<211> 180

<212> DNA

<213> Homo sapiens

<400> 797

```

gaattcgcgg ccgcgtcgac gagggaggtg gtggtagttt gtgtttaata tttctagtta 60
agctggtgag agaagagagg aggaaagggt tctaaggaa gtagatagct gaqttgagtc 120
attagagata aataagagct aatgagaaaa tatgtgggca gtatagtgtt gggactcgag 180

```

<210> 798

<211> 165

<212> DNA

<213> Homo sapiens

<400> 798

```

gaattcgcgg ccgcgtcgac agggcatctt gatatgctgc tcagtctctg ccttctcttc 60
ttccagatac actgtgcaga tgaagtcacc ggcattgctg gtcctactgg cagtgcacgc 120
cacgcgcctc ttcacaatgg cagtgatctc ccccccgtgc tcgag 165

```

<210> 799

<211> 422

<212> DNA

<213> Homo sapiens

<400> 799

```

gaattcgcgg ccgcgtcgac gaattctttt taaattttat tctggttggg attggetggg 60
cttctgaaat cttgtggatt tttatctttc taagtttggg aaaatttttt cagccatttt 120
cttaaaatac agctttttcc catttctctt tcttccttga gactacattt aaatatatgt 180
tagactttct cactatatct actcttggtt tctttttgta tttaccaacc ttttttcttt 240
gtttgttgaa acaaggcttg gctctgttgc ccaggctgga atgtagcggg atgategtgg 300
ttcactgcaa cctctgcctc ctgggtctca tcgatcctcc cactcagcc tcccaagtta 360
gctcgcatga catgccacca ttcttggtta gtttttltat ctlttctaga gacagactcg 420
ag 422

```

<210> 800

<211> 329

<212> DNA

<213> Homo sapiens

<400> 800

```

gaattcgcgg ccgcgtcgac cccccaggct caagcaatcc tcccatttca gctcccggtg 60
tagctgggac cacaggcatg tgccaccaca ccttgctaag ttttgttttt tgtttgtttg 120
tttgttttgt agagaaaggt ttttgccatg ttgtccagat tgggtctcaa ttcttggaact 180
caagcaattt gccaccttg gctctctcaa ccgctgggat tgcacgcctg aaccacctca 240
accagccata ttctgtttct attataaatg atgagattaa gcgttcagac tgctgtttgc 300
aaacagtttt cacaaatgtt acactcgag 329

```

<210> 801

<211> 436
 <212> DNA
 <213> Homo sapiens

<400> 801
 gaattcgagg ccgcgtcgac gtagaacagt gattactgga ggctgggagg aaagggaggt 60
 ggatatggag aggttgggta acagatacaa aattacggct agataaaagg aataaqtctt 120
 agtgtctgtg gcaactgtagg gcgactagag ggtgtagtta acaatttact gtatatcttc 180
 aaatagctag aagacaggat ttctaacttc cccaacacaa agaaatgata aatgtttgag 240
 gtgattaccc tgatttgatc attacacact gtatacctat atcagaatat cactactgtac 300
 cccataaata tatacaatta cctatcagtt ttaataaat aaattttcaa aaaccacaat 360
 atttttttga atgagactct acctaaaatt ttattatggt ctctctttat ggctttcttt 420
 tgggaaaaca ctcgag 436

<210> 802
 <211> 725
 <212> DNA
 <213> Homo sapiens

<400> 802
 gaattcgagg ccgcgtcgac atgcacttta gggttgggtt tgcacttttg atagtatctt 60
 tcaaccacga tgttctgggc aagaatttga aatacaggat ttatgaggaa cagaggggtg 120
 gatcagtaat tgcaagacta tcagaggatg tggtgatgtt ttatttgaag ctctctaact 180
 ctctactgtt tcgatttcga gccatgcaga ggggaaattc tctctactt gtatgaaacg 240
 aggataatgg ggaaatcagc ataggggcta caattgacgg tgaacaactg tgccagaaaa 300
 acttgaactg ttccatagag ttatgatgtg tcaactctac cacagagcat ctgcagcttt 360
 tccatattga agttgaagtg ctggatatta atgacaattc tccccagttt tcaagatctc 420
 tcatacctat tgagatatct gagagtgcag cagttgggac tgcattccc ctggacagtg 480
 catttgatcc agatgttggg gaaaattccc tccacacata ctgcctctct gccaatgatt 540
 tttttaatat cgaggttcgg accaggactg atggagccaa gtatgcagaa ctcatagtgg 600
 tcagagagtt agatcgggag ctgaagtcaa ggtacgagct tcagctcact gctcagaca 660
 tgggagtacc tcagaggtct ggctcatcca tactaaaaat aagcatttca gactccaacc 720
 tcgag 725

<210> 803
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 803
 gaattcgagg ccgcgtcgac ttctaaaatt ttatataaat agaatcatat agtaagtact 60
 tctgttgctt ggctcctatt actcagagta attgttgata ttatccatg gtgaagcatg 120
 tgtcagagtt tttccttttt tttgtctaag cagtggtcca ttgtgtatct gttttactac 180
 agttttgtcca ttccctgtt ggtggacctt ggggtgtttt tgggttttggg ctctacacct 240
 agaagctcct atgaacattt gtgtacaagt tttggtattg ttaaagttaa actcgag 297

<210> 804
 <211> 701
 <212> DNA
 <213> Homo sapiens

<400> 804
 gaattcgagg ccgcgtcgac aaaagggtaa gtataagaaa atattgcaaa cacttcaaaa 60
 cagttgtatg gtgcaggaaa agaagattgg aaaaagacca aaacacactt ctccagcaac 120
 actccatcag ctttttcaaaa tttagagcta tctgctaatt ttttccctct tctttctcaa 180
 taaatgaaac aaacactggg cagctgcagg tttctcccaa tcatgtctct ttatgtaaag 240
 acagtaacat gcaaacactt ttagtcttaca tccctcattc acagtgtaaa gcaggaaatg 300
 gtgtgaggaga tctgagacca ttctgaggte agcgatagcc caaaggctct gcagtattcc 360
 ctccaatggc caaggattcc gtgtgtcact tgcaggagtg agtaggcttg ctgtattctt 420
 tgtaactgct ggggtgttaca aaataagtta caatgtttta caatttcaaa aaaaaacaga 480
 aggaacattt gctttattgg ttaacttacta gtttagcttc taggttatgg cactagcatgc 540

taaaaaatca tgtgttttaa agtaaatgtt ggtaaaatgc tggcatctgg tccatttgtg 600
 ttgatgcatt ttcactttctg tggtcatagg aaatggactg gtctaaagaq agtgaggcac 660
 aacacaagca gggcattagt ttgaatagga agtctctcga g 701

<210> 805
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 805
 gaattcgagg ccgcgtcgac ccaacgcgtc attgaattct agacctgcac tccagcctgg 60
 gcgacagaac aagactccgt ctcgaaaaaa ataaaaataa ataaaaataa atatatatag 120
 tgtagtatca aaggaaaaca gcaaaacttt aaatatattg tttgaaaatt aactgttttg 180
 taggttaaga gcacagtgtc gcagcttttg acttaacata attaatccag atgttagcca 240
 tacatacctt tcccatctgc cttctcgag 269

<210> 806
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 806
 gaattcgagg ccgcgtcgac cgtcgattga attctagacc tgcctcgagt gttgtgtggc 60
 catgggggat aggaggttgg ctggtatcgg cctctgctcc tgtgggtttt actccttctt 120
 ggcctacctg ctgctctttc agtctccatt ccccaacctt tctctctctc gcagccactg 180
 tttgatgctg gactgcagga aaatagtcac cgatgcagga gtgtccagga agtgttccca 240
 ccaacagtac actctcgag 259

<210> 807
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 807
 gaattcgagg ccgcgtcgac ggacagggga ctgggcagaa aataatattg tagaaggtag 60
 aacagcattt ctttgggagg atttatcttt ttaagtatat agtgggtctc taccactatc 120
 ctacaacagg ttgcaggaca aataatgtat ttaatatctt gggggagctt ttgtgtaagt 180
 cagaccttat tcattttcat tccaacaacc ctcgag 216

<210> 808
 <211> 705
 <212> DNA
 <213> Homo sapiens

<400> 808
 gaattcgagg ccgcgtcgac acctgcctct aaataaataa ataaataaat aaataaaaaat 60
 aaaggcaaat ctgatcaagt catgctctgg gataaaagct ctaaaggctt caccctttgc 120
 tttaggagaa tgcctgcccc aqcttgaag atccgggctt tccccctcc ccaagcctt 180
 ctctccagat ccacctctc cacctgattc ctcccacaga tcaactgaga tataaataca 240
 actctccacc taaaaatatt acgggttagaa glaacactga ggatggctag aaatggatat 300
 aagaaaactc attattgact aaaatgcaca aaagaatcaa atcttqacca cgaatctttt 360
 tttttggttt taatttaaat cttccaaaat ggaatggggg taccagtcac atcacacaat 420
 ggcagaaact cgtgtcaaga gcctgcagcc cccacactga tggatgcctc caatctcagc 480
 agcagaatgt gtacggaatc gatgcgatg aaaacagttt cagtaaaatt acaaaaagaat 540
 gaaaaacatg gacatttgtt taactgtact acaggggaaa aacaaaaatc tgatcaaaga 600
 attaatgttg atgaatagag ttcaagctgg agaacacctt cttaaaacat tttcaggggt 660
 agtatgtttt ggtttaaaat gtttgcattc aaggttctcc ctata 705

<210> 809
 <211> 230

<212> DNA

<213> Homo sapiens

<400> 809

```

gaattcgagg ccgcgtcgac gtgagctaaa gcagtcgaatt ttttcattgga gcaccacgaa 60
agaacaaaag acatataaat tatggttatg caaagtaaaa tataacaacat tttcttttct 120
ctcctttttt tttttttttt ttgagacag gtcttgctct gtcacccagg ctgcagtga 180
gtggtggtgc cactactgct caacacagct tctatctccc aggaactcgag 230

```

<210> 810

<211> 544

<212> DNA

<213> Homo sapiens

<400> 810

```

gaattcgagg ccgcgtcgac cgtcgattga attctagacc agcccgggcca acacagcgaa 60
accccgctct caccaaaaaa atacaaaaac cagtcaggcg tggcggcgcg cgcttgcaat 120
tgcaggcact ccgcaggctg aggcgggaga atcaggcagg gaggttgag tgagccgaga 180
tggcagcagt atagtcacgc ttcggtctcg catgagaggg agactgtgga aagagagggg 240
gagggagacc atggggagag ggagagggag agggagaggg agaggaccgt ctgctttaaa 300
aatgggaaat atcagtatct gaggaatga agtcaaaatt gacctaatga gatgttgata 360
cgattctttt cctgaagctt taatacattt acatttttat ttttggaac tcactttcat 420
tctgtacatt tatactgtac ctattttgtg ttgtcagatg tacgtgtgtg agttactgat 480
tttcttcttc acacatggag acacttggca gccaatcagc ccaccaggaa ataggteect 540
cgag 544

```

<210> 811

<211> 714

<212> DNA

<213> Homo sapiens

<400> 811

```

gaattcgagg ccgcgtcgac ccccaacctg ccgcgatgcc ctatatctca gacaagcacc 60
ctcgacaaac cttggaagtg attaaccttc tgagaaagca ccgggagcta tggatgtgg 120
tgctagtgtg gggcgccaag aagatatatg cccatcgagt cathttgta gectgtagtc 180
cctaactccg agctatgttt acaggagaat tggcagagag ccgtcagaca gaagtagtga 240
tccgagacat tgacgagagg gctatggaaat tactgattga ctttgcgat accctccaga 300
taacagtaga agagggcaat gtccagaact cttctgccag ctgcttgect cctccagctg 360
gcagaaatac aggaagcctg ctgtgaattc ttaaagagac aattagatcc ttctaaactgc 420
ctgggcattc gggcttttgc tgacacacat tcatgtctgt agttgctaag gatagcagac 480
aagttcacc cacaataact tcaagaggta atggagagtg aagagttcat gttgcttcca 540
gccaatcaac tcattgatat aatatccagt gatgagctaa acgttcgcag tgaagaacaa 600
gtgttcaatg cagtgatggc ctgggtcaaa tacagtattc aggaaagacg tctcaatta 660
ccccaggtgc tgcagcatgt cgtttgect ttgcttagtc ccaagccctt cgag 714

```

<210> 812

<211> 309

<212> DNA

<213> Homo sapiens

<400> 812

```

gaattcgagg ccgcgtcgac acagaaaagg gcttggttga acaaatthac aagggttgg 60
aaacatacaa agtgccaaaa gccatagctt attcattcta ttacttgttg gcaggtaaat 120
attttgtgga aagtatttgt ttatttttat ttttactttt tgagggtggag tctcgccctg 180
ttgcccaagg agcagtgcag tggcgcagtc tgggtcactt acaacctctg cctccggggc 240
ccgagtgaat ctctgtcttc agcctcccaa gtaagctggg aaaaaggcat gcaccaccat 300
cacctcgag 309

```

<210> 813

<211> 178

<212> DNA

<213> Homo sapiens

<400> 813

```

gaattcgagg ccgcgtcgac gtcgattgaa ttctagacct gcctcgatga atccccgaac 60
ctttccaaac acgtctcatt tattagttct aatatctttt agtagattcc ttagtggttt 120
tttttgtttt ttgttttttt ttaataatat aaaggatcat gtcattctga aactcgag 178

```

<210> 814

<211> 342

<212> DNA

<213> Homo sapiens

<400> 814

```

gaattcgagg ccgcgtcgac aacctctttt tgtttgtcag cagccaaggt gtttccagga 60
agttcagaga gaacagaatt taagaagtgc aacatggcca ggggctgcct ctgctgcttg 120
aagtacatga tgttctctct caatttgata ttctggtctt gtggctgtgg gctgctggga 180
gtgggcatct ggctctccgt gtcccaaggc aactttgcca cctctctccc cagcttccct 240
tcgttgtctg cagccaacct ggctcctgcc ataggcacca ttgtcatggt gacgggcttc 300
ctcggctgcc tggggggccat caaggaaaac aagtctctcg ag 342

```

<210> 815

<211> 668

<212> DNA

<213> Homo sapiens

<400> 815

```

gaattcgagg ccgcgtcgac gtgtgccttt gctgttgaag agtccggaaa cttaatcaaa 60
aatagatgtg agggttctgc tgcactgtac tgggtgtcta aactatacta gacgtggggc 120
ttagaagagc tcccctttcc acatagaaaa gctctatggg gttggatcac tctctacaga 180
ttcttctttt gaatcccatt ggctctccca gttgttcttg acacccatag ccacagagaa 240
ggagtcacaa agtgaagccc tcagcttgtc cttctctaa gctctctgag cctcagtggc 300
ctcatctgaa cagtgcagat gatagttacc acttcatagg gctgcctaga aaacaaaatc 360
cagtagtggt caaatcacct catagcacat cgtagatgct caagaaagtt ggctgggtgt 420
actcacatct tgcctgcagc cctaggctga ccccatctct gacagtcctc caacttggtc 480
tctccctgct ccttgcctcc ttctctctag ggtttgctga gagcagaggg agagaaaggg 540
tgggtgggtc gtcacccctg ctggctatga caggttgtag tcatgggtgg aaaggagaca 600
gcattactct taagcactct cctgagatct atgatggaca ctctccagc aacgcagggg 660
ccctcgag 668

```

<210> 816

<211> 344

<212> DNA

<213> Homo sapiens

<400> 816

```

gaattcgagg ccgcgtcgac ggcagatggt gtgaagaggg attgtgagct aagtgtatag 60
gtgaggtgag ttaataaaaag atgtaaatct tggcctaaaa tggtagaggc tcatgggtatg 120
caggaaaatt taattaagtg gccaccactc ttccccccat caattggatt ttcttctgcc 180
acagtaagaa gtcattccagg atatgctggg ggggcactta gatgagctct ggctcgttga 240
gtgttttcat ttcttgatat tctaattgcc agcgaggaac cttgaacgta agaaaatcat 300
gtgaaaactc atcaaaaatt aataatcacc aagcaggact cgag 344

```

<210> 817

<211> 163

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (135)

<400> 817

```

gaattcgagg ccgcgtcgac ggggggggctt ttattaatat tgtcacacca caccacacca 60
cacacacaca ccacaccaca ccacaccgtt tgaaagctgc atcaagctgt gcacaaacat 120
gatcgagtg ctgtntttgt taagctctcg ccttcccttc gag 163

```

<210> 818

<211> 319

<212> DNA

<213> Homo sapiens

<400> 818

```

gaattcgggc aaagaggcct aaacaaggga tttgaacgtt tttcagcaca aaaggataac 60
ttccgagtggt tggctctgtac gcatactagc aaaggtaatg gtgatctagc aaacaaaatt 120
ggtttcttgca gttagaagtg agcaggagca cttgtattat agtattttaa taatcctggt 180
taatctctttt ttaagccgag taacccctcc agattttgcc tttttattat tgaggetggc 240
tttattttct tctacttttt ttcccgtttt atagcagtta attatttttg tgattattat 300
gcaagaagca ttactcgag 319

```

<210> 819

<211> 393

<212> DNA

<213> Homo sapiens

<400> 819

```

gaattcgggc aaagaggcct acagagaact gaatagatga ggggtgttga aagaaacgtt 60
tttgggcattg gtgtaaaggc atgcttgagg gattctaagg aggcctggtgt gtggctggaa 120
ctaagtgtgg ggatgagagg tactaggaga tcacatgaga ccattgtagg cactgttagc 180
agtgagtaca atggtaaatt agtagaagga ttttgaacag caagattgct atgatcttac 240
ttaacactta taaaagagtc actcctatga cttttgtagg gtgagtaage tataglaata 300
tcaatagaaa tgaacatgct ttgcatttgc catgtgtcag gtattattat tattatttat 360
tttacttttt tttgagatag ggatccactc gag 393

```

<210> 820

<211> 270

<212> DNA

<213> Homo sapiens

<400> 820

```

gaattcgagg ccgcgtcgac gaaggataag aacaggtcgg agatgtccgc ccagagggtta 60
atttctaaca gaacctccca gcaatcgga tctaattctg attacacctg ggaatatgaa 120
tattatgaga ttggaccagt ttcttttgaa ggactgaagg ctcataaata ttccattgtg 180
attgattttt gggttggtct tgcagctctc gtgattttta tgttttttgt gctgaccttg 240
ctgacctaga caggaacccc acacctcgag 270

```

<210> 821

<211> 163

<212> DNA

<213> Homo sapiens

<400> 821

```

gaattcgagg ccgcgtcgac ctacatagtt ctttctgaat acaaattctc gataaaacac 60
tatctcagtg atcaaccagg ttaagcaacc tttttagtgc ctcaattatt ccatttgtaa 120
aattgtaata atgatagtag taacctataa gattattctc gag 163

```

<210> 822

<211> 200

<212> DNA

<213> Homo sapiens

<400> 822

```

gaattcgcgg ccgcgtcgac attagaagct ctagtgaqtg aaqtttgggt atactttgaa 60
aatatactaa gatggaacca ttaaaaacag taataatttt taltatcttt catttggtca 120
agaatgataa aaagcatcaa ctagaaggga aacttcaaga tatcagatgt cgattgacca 180
cccaaaggca agatctcgag                                     200

```

<210> 823

<211> 284

<212> DNA

<213> Homo sapiens

<400> 823

```

gaattcgcgg ccgcgtcgac ccaatacaca ccacactgtc taattcagtg gggaaatacc 60
aaccctcctt caccaatcca gaaagaaatc tgtaatatta gattcctcga cagtgtagaa 120
acctagtctt gtgtagtatg gttgttttgg acatttgtaa atttattttt aaagttttat 180
ttgtatatat ctttttgaga caggattttg cctgtgcagc caggttggag tgcagtggtc 240
tgatcatggc ccactgcagc ctcaatcccc caggctatct cgag                                     284

```

<210> 824

<211> 275

<212> DNA

<213> Homo sapiens

<400> 824

```

gaattcgcgg ccgcgtcgac cattgtggta ctgtttataa tttattgggt ctcttaggac 60
cttagtgagg gttggctact ttttgggtac aactaagta gctccagact gttttaaaaa 120
tgcttgcttc tgctgtatat aggtttttat ttatttggtt gtttttggtg ctgcttttgt 180
ttcttcctct ggtgttgggt gacattttta actatcatag ataccctttt ctaaagcagt 240
ttctatctcc tgggtccacc cccctccacc tcgag                                     275

```

<210> 825

<211> 256

<212> DNA

<213> Homo sapiens

<400> 825

```

gaattcgcgg ccgcgtcgac catctgggta tttggaaaca agtggtcatt gttacattca 60
tctgtgaac ttaacaaaac tgttcacct gaaacaggca caggatgac attctcctgc 120
tggtgcttct cagtgtcttc ttccaatat agatgtgggc atgttgact tgtacagaat 180
gttaatcata cagagaatcc ttgatggaaat tatatatgtg tgttttactt ttgaatgtta 240
caaaaggaat ctcgag                                     256

```

<210> 826

<211> 276

<212> DNA

<213> Homo sapiens

<400> 826

```

gaattcgcgg ccgcgtcgac agagcttaaa ggctggatta tgcaataact aacttttttt 60
atttttagtga aaacgattca aatttcaaca catttaataa taaatgagaa aatttcagta 120
gataagcata gaacaaatgt aaaagaaact ctcttcaacc aagattgtac tattgtatgt 180
ggtctaaagt aaagtaatag ttttactcag aatgggtgaat taaagatact gggagcttct 240
gaaatgcac ctattccaaa aatgggggta ctcgag                                     276

```

<210> 827

<211> 169

<212> DNA

<213> Homo sapiens

<400> 827

gtccttgtgc tgaggagaag aatgtttatt ctgatatcca ttagatgaaa tgttctgtaa 60
 atatctatta ggtccatttg ttgtacagta cagattaagt ttgatgttcc tttttgattt 120
 tctgttattg gaagatctat ccaatgctga aagtggggcg agtctcgag 169

<210> 828
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 828
 gaattcgagg ccgcgtcgac catcaagtct acaagaaaat taaaggagtc ttgattaac 60
 agtgggtttt caaacaaccc tttgtacaa ctcagtaagg aaaaagttca gaaaaaagc 120
 tacagaaaac tgaagactac ctttgtaaat gttacttctg aatgcgctcg ag 172

<210> 829
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (251)

<220>
 <221> unsure
 <222> (264)

<220>
 <221> unsure
 <222> (274)

<400> 829
 gaattcgagg ccgcgtcgac gctgctctga tgacttttaa aaactgattt gtagggattc 60
 tttgtgtaaa cactaatgct tgatctgata tatcaaattg tgtgaatgct taacagacca 120
 agcattagta ttcacacatt catgtgcarg tgtacatgtg tgtgtgtgtg tagtatctta 180
 tgcattctac cctagaggat gccactcagc taactttatt tttattatgt atataataat 240
 cagggtacac natatctgtt tttntgaaaa gctnactaat acagcagaat ctatctactt 300
 tcatttctct agtttgaagg tgagtatata aaattcacaa tctctacttt gaataatctt 360
 gaaataaaac atgagattac tcgag 385

<210> 830
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 830
 gaattcgagg ccgcgtcgac tatctttaaacc tcttgaaata gatattctaa acaattttaa 60
 attaaccttg ataacaacaa gtcccccatt cagcaatggc cattggacca tacttgaggt 120
 tacattgttg tagtgtgaga ctttctactt ttttttaaaa ttgtcacttg tattaagaaa 180
 tacattttac attttcattc agtqttatat catatagaca tgtacataac tgaaacaata 240
 ctcgaq 246

<210> 831
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 831
 gaattcgagg ccgcgtcgac ctccttttgt cattttttaa ttggattatt tgtcttttaa 60
 ttttagatac taatccctta ccagatattt gatttgcaaa catttttctt tctttgtagg 120

```

ttgccttttt attttgttgt ttgtttcttt tgcacgctg aagcttttta gtttgagcta 180
gtctcattta tttttacctt tgtagctaag ctttttgtgt attacccaaa aaatcattgc 240
caacaccaat gttgaggaac tttctctcta tgttctcttc tagtttatgg ttttgggtct 300
tatatttagg tcattcactc gag                                     323

```

<210> 832
 <211> 343
 <212> DNA
 <213> Homo sapiens

```

<400> 832
gaattcgagg ccgcgtcgac gggagtcata tacagacttt tgtggatttc atgttaaaaa 60
aaaaaaaaatca attgttataa gagaacacac tgttttgtta aaaaaaaaaa tcttttttgt 120
tgtgcataatg tatttacaca catatatcca tgtgtactcg gtctcaatat caaaatatct 180
cttacagtta cttatgggtca aactgtttga aatacttcta ttttaatttt ctgggtgtggc 240
ttttcagaca ctctggaaag cagaactaag aaatgatttc tggggtatat ctaggaaatg 300
tcacctcagt tatagcccag aaacaactgt ggcccgaactc gag                                     343

```

<210> 833
 <211> 383
 <212> DNA
 <213> Homo sapiens

```

<400> 833
gaattcgagg ccgcgtcgac cttttaaaaa gttgtccgca tttgtactca gtgggacaca 60
tcttagggcc tgcctgtatcc tgcaaagtat agaatactgg aatcagaagg aagctttctt 120
ttcccccctac tgttttagctt ttttgggagg aaaaagaccc gaaatttctg gtcatttaga 180
tgttcattaa cctgggtcgca ttcataacta gtccatttca gctccgagga tgtttaattt 240
cagtcctctt ccaggtttgc atgtctcagt cctcttctgg gtttgcattc ttcagagggt 300
ctcgggaactc agtctccta gaactgtctt ctcccaaact ttccctaact cttcttccgg 360
gtctatcccc ccttccctc gag                                     383

```

<210> 834
 <211> 191
 <212> DNA
 <213> Homo sapiens

```

<400> 834
gaattcgagg ccgcgtcgac ctcagaagga gaatgttgtt gcttgagcct cttttgagct 60
ttaaaaagga caaggaaagg cactgtacgg agtgttttac ttttgacttt tttttcatga 120
ctacaaaactg ttggatattg aaaaccttgc atttaactgt gaattgccag tctgtgtttg 180
cgtcactcga g                                     191

```

<210> 835
 <211> 194
 <212> DNA
 <213> Homo sapiens

```

<400> 835
gaattcgagg ccgcgtcgac tgtcatttca ttccgggtttc ttttctctgc atgtttttct 60
gtcgggaattc cggttctgtt tgggtctatg tactctctaa aatgttatcg tttttcattt 120
gtctactaat tttcgtgcat ttgttactac tgagtttctt aatatctgac tggcctccgc 180
ccaagggtct cgag                                     194

```

<210> 836
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 836

gaattcgagg ccgcgtcgac gtttgagttc tctgatgtaa aacattttaa cagggaaatt 60
 tctgctgtcc tcagaacaag atctgtattt ctgcctcttc cttaccacac cctcttccac 120
 acctcataat gttatttatt tttttctctt ttagtgggca gttttatctg gcaatagcaa 180
 ctcaatttta tggcaacgag ctcgag 206

<210> 837

<211> 156

<212> DNA

<213> Homo sapiens

<400> 837

gaattcgagg ccgcgtcgac tgtgcgtgta tgtatgtgtg tgtgtgtaga cgttgtcctg 60
 aggttcatca gctaaaataa tataataagc aatccctaca aaatatttca aaccaggcaa 120
 atgacttctg gaagagagag aaaggaagag ctcgag 156

<210> 838

<211> 282

<212> DNA

<213> Homo sapiens

<400> 838

gaattcgagg ccgcgtcgac gcatttgatt ggtcagagtg gttttagaat gctttttgaa 60
 ggaaaataaa aatggacaag atattgaaga atagggggaa tttggccatg agtagaagac 120
 aggagacttt tactgaaact cactccttca acctgttttt cttttattgt cgtacttggc 180
 accatgtctt tatggcttgc tgtccttatt tcaactgtatg ctcaactctaa tcttttagga 240
 aattgcaaaa ttattaaaaa ttggccatagt acaaacctcg ag 282

<210> 839

<211> 199

<212> DNA

<213> Homo sapiens

<400> 839

gaattcgagg ccgcgtcgac gcaaaacatc catcttattc gaqccctctt tgcaggcaaa 60
 gggaaacagt tgggaagagaa aatgggtacag cagttacaag aggatgtgga catggaagat 120
 gctccttaaa aatctctgta accatttctt ttatgtacat ttgaaaatgc cctttggata 180
 cttggaactg cgaactcgag 199

<210> 840

<211> 146

<212> DNA

<213> Homo sapiens

<400> 840

gaattcgagg ccgcgtcgac ctaaaacgct gattgaattc catgcccctg tctctctgtc 60
 tttatgtgtt gccatttctc tgcctctgct tttggctctc tttctcagag tgtctcttga 120
 tctctaaact tctctcttct ctcgag 146

<210> 841

<211> 225

<212> DNA

<213> Homo sapiens

<400> 841

gaattcgagg ccgcgtcgac caccctaatt atcgggtgct ggcaaaacgt gattaagaca 60
 ggtgtacgca tgaacagcct ctctattctc cgaattctct tgggtgacat cggccagaag 120
 ctgcaatttg atagcccgga agatgcagag ttcattgttg ccaaggccat cggggatggc 180
 gtcattgagg ccagcatcaa ccagcagaag ggcattgtct ccagag 225

<210> 842

<211> 280
 <212> DNA
 <213> Homo sapiens

<400> 842
 gaattcgcgg ccgcgtcgac cctaaacctc gactacatat tctgaaccag ccagggaagg 60
 gtgagtragt tgtttctgtt ggtcaactga atctcaggta tctttggtct tcttttctct 120
 tacaatggaa gtaatgttca ggacctatct gagaccagtc ccttgtctac tgcctctcat 180
 cctttttctt cttgttttct caatggcttt actcttctct ctcttcaaca gcatcagctc 240
 tgccccctct tactcttttg caaagacacc caatctcgag 280

<210> 843
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 843
 gaattcgcgg ccgcgtcgac agcttttctt tctacttgca gggtcaccaa agtgaaaatt 60
 gagtgttcat ttttttctta ttgctgatac ctgtagcctg agaatgttac ttctagcagt 120
 tgtcttcat ttttttattt ttattaatgt agaaaattat caaacccata gaaaaattga 180
 gagtagagt aatacccata tgccccgtgc cttgggtctc cagctattaa cactttgtca 240
 tatttcttat cctctcttcc ctctcttact ctttcttctc tctctctctt tcttctcttg 300
 tctctctctt ttgtctagac catgtgacac ttcaccaaca tataacactt cactctctga 360
 g 361

<210> 844
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 844
 gaattcgcgg ccgcgtcgac gggagacaaa gaaatatcga aagcaagtaa agaaaaaaaa 60
 agacaccagt gatcaacaga ataaagccag aatgagattg aagttagaaa cttggctcga 120
 g 121

<210> 845
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (69)

<220>
 <221> unsure
 <222> (75) .. (76)

<220>
 <221> unsure
 <222> (97)

<400> 845
 gaattcgcgg ccgcgtcgac ctgggaacat ggtcaagggt gaagggggct ccttagagag 60
 ggtgggggng tagtnncttc ccagttggcc aqaaaanaag gccttgacga cccctttagc 120
 attttttctt ttttttctct tccctgtctt ctacttcttt ggggagcccc ttgtgttttg 180
 gagtctgact ggagtctctc atcctggggc ctgtctctat catcctctct gggcgccaga 240
 cctctcctcc aagcctctgt tctttccata gtcagggtca ggccttgcat ctattccaag 300
 gggcactcag tacacattcc ataaatttag tgggtgtctc tgcacgcccc ccccatgaaa 360
 ctgag 366

<210> 846
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 846
 gaattcgcgg ccgcgtcgac tggttctttt atagctaata aatatecttt tatctggctt 60
 taagattttt tctaataact ggttttaagc aatttggtta tgagggtgctt tgatgtagtt 120
 ttatgtttct ttttattatt attattaaat ggtgtctcac tctgttgccc aggettactc 180
 gag 183

<210> 847
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 847
 gaattcgcgg ccgcgtcgac atcctgggtt ttgcctgtaa tatcaatcaa ttgtttcacc 60
 ttctctcaca agtcagcacc attatggctc gaaatcatct gtgcaagtct aatttggtct 120
 gcagtggcct gtggcgcgtg attgtgctgt gtctgggttt ggttttgagg ttgttcccag 180
 ttcccctcga g 191

<210> 848
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 848
 gaattcgcgg ccgcgtcgac gtcacctcaa gcatttatcc tttgtgttac aaacaatcca 60
 gttatacttt tttagtcttc ttaaatgtac gattaaatga ttattgacta tagtaacctt 120
 gttgtgtat caaaaatatt agggcttatt catttatcca ttcaattttt ttggtaccca 180
 ttaatcatcc ctacccctc cctcgag 207

<210> 849
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 849
 gaattcgcgg ccgcgtcgac ggaattatct agtccccaga ttgatcatct cccctggcaa 60
 cgtgactctg ttttttgtgt gtgtttccat gctgactagt cccctactgt taatatcact 120
 actaattagg ctataaccag gtctttcctg gcttgagaaa tattctctta aaatgacctt 180
 tgttttaate tcattcatga tgttgatttt ttttcaatgt ggtgctgggc tcgag 235

<210> 850
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 850
 gaattcgcgg ccgcgtcgac cctaaaccgt cgtctgaatc ttaaaaactt ttatattcct 60
 tgttcataat tgatctgaca gataacagtt tgttaaaata ataatagtga ccatgtattc 120
 gattatgctt ctgtgggttt gtatatgtgt gtgtatctat acatgggtact taggtataag 180
 tgaaatgaat gacagcgatc tcgag 205

<210> 851
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 851

gaattcgagg cgcggtcgac cgcagacccc acactcttct gcaattcatt tcatagttgt 60
 caagactata caaattgtcc tttttaatgt tctctcttct gctatcccta gttggcagtc 120
 tctctcttta caacctgctg aaagtggag acctccagtt tctctttaat tctcagcaa 180
 accaccaact attatatgtc ttttttccag aacaactcga g 221

<210> 852

<211> 254

<212> DNA

<213> Homo sapiens

<400> 852

gaattcgagg cgcggtcgac ctaacaatga agagtcaaga aaaagctaatt ttaggagaaa 60
 atatggagaa gtcttgtgca agcaaggag agtcaaaga agtcagtatt gaagatacag 120
 gtgttgatgt agatccagaa aaactggaaa tggagagtaa acttcataga aatttgctat 180
 ttcaagattg tgaaaaagag caagacaaca aaacaaaaga tccaacccat gatgttaaaa 240
 cccccacact cgag 254

<210> 853

<211> 247

<212> DNA

<213> Homo sapiens

<400> 853

gaattcgagg cgcggtcgac gtcatttgac aacatccctg gcttttgttt gttctcttct 60
 gggtagagac aaatttactt tccatttctg ataacaacgg agtcagtctt cctgctgcc 120
 gaggattttt tgaacacagc tgaatactgc ccttctcat ttctgagaga gggcagaacc 180
 gggtcacatg gttgcttgac agagggccat gataactgtc tacagatatt taaaggggtg 240
 actcgag 247

<210> 854

<211> 253

<212> DNA

<213> Homo sapiens

<400> 854

gaattcgagg cgcggtcgac aattagtgtg catcattaaa ttatcaaata agtataaatt 60
 agtactcttc tttttctgga taatagaagg atcttagaac actttaattc catttatctc 120
 cctcacagtt ttatgtctat attgccatct acttacatc ttggtaaatt ttaaacttca 180
 gaagacatta ttattattgt tgtttgaaca gttaatatat attgagagtt actcatatat 240
 ttgccacctc gag 253

<210> 855

<211> 318

<212> DNA

<213> Homo sapiens

<400> 855

gaattcgagg cgcggtcgac acctgectcg agcctaggct gctcttttct acctaatcaa 60
 cccagtttat aaatgggact cagttataaa gtttaggtcc acctcttcca ggaaattttt 120
 tcttgacacc tcttctctcc caatctcggg tgggtactct agcatgtgtc ttccacctt 180
 tqcacagagc aatcctcatg tttaccacat ctactattaa cataattgtt tctgtgttt 240
 tctctctcac aagatttatt ttttttagat gaggtgttgc tgtgttgcct aagctggact 300
 tgaacctcta ggctcgag 318

<210> 856

<211> 249

<212> DNA

<213> Homo sapiens

<400> 856

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gaattcgcgg ccgcgtcgac aggtttcagc ttcttcctga ttcaatcttg ggtgggttga 60
tgtttcacagg aattcatcca ttttttaaat ttttttttag ctttttttag ttgtgtgcat 120
agaggtgttc ataacagtat ctgaaggtct ttttgtatta ttgtggagtc agtggtaatg 180
tcttctttgt cattctctgat tggatttatt tggatctact ctcatttttt ctttatttag 240
ccgcctcgag                                     249

```

<210> 857

<211> 212

<212> DNA

<213> Homo sapiens

<400> 857

```

gaattcgcgg ccgcgtcgac aggattccaa tcaatalaaa tatatatata tatatacaca 60
cacatatata aaaagtataa tttttctatt ttgttttttg gttttaattt gcagagattt 120
gctgccagga atcaattttg agggttcaga tttagcttgg aagaaaaaaa agaaacatac 180
atccttcagt ataggagatg agggcactcg ag                                     212

```

<210> 858

<211> 426

<212> DNA

<213> Homo sapiens

<400> 858

```

gaattcgcgg ccgcgtcgac caaaaaacaa aaaaagaaaa tcttagaaaa agaaaataaa 60
ttgtaatatc tcagaatatc tgttggggag gatattgtgt ctcaagaaat acatactgag 120
aacttaccat tgatgctaga gattgaattt ccccatgtct acatgaaaaa tgaatagaat 180
ataaacattt taaattgagc catgtctatc tgtattatat ttcttttata gaaattcatg 240
gaaatgggtat attttaactg aattattaac actggggaca ataggcttta atcattatct 300
aatacctgta cgttggtttg aaattcatag cccaccacca ttaatttcaa aattgggttc 360
ttactcaaag agtgatgaaa aggcaccagt accaaatggg ctggccaaaa tgctacatgc 420
ctcgag                                     426

```

<210> 859

<211> 215

<212> DNA

<213> Homo sapiens

<400> 859

```

gaattcgcgg ccgcgtcgac catttgacct tttaacaaat ccctaagtaa ataaatagcc 60
cctcaggaaa actaagtttt tctctgctgt ttttttgctt gagagagcta taactgtaat 120
agacttatat ttctgaacat tttagtgtct gccaatattt ggtaatatat atgttttcta 180
tatttgtaat gaacattctt ctccgggtac tcgag                                     215

```

<210> 860

<211> 672

<212> DNA

<213> Homo sapiens

<400> 860

```

gaattcgcgg ccgcgtcgac cccagcctcc ctccccacag aggccaccgt catggccagt 60
tgctgcagtt tctttccaga gaacctgtgt atgtgtaaaag ctgtacaggc gtgggtacac 120
cacacagcct gtcttgcaat gtggactgtt gagttactag tacatctaga attctcctgg 180
ctattccagg ctgcattgtt accttaacct tccctgtgat gtcttcacgc cgttggtctc 240
ttatgcaaga ataagactca aatgactcca gaaagctaca cttcctgttg tgagtatatg 300
atatccattt cctacatag ccactaacat cagggttttt caattttatt tatttcttgc 360
tactttaaga aatttttgtg gtgaaalaca tataatagaa gttgactatc tgaatcattt 420
ttaagtatac attcagtagt gtttaagtat cggccattgt tgtacaacca atctccagaa 480
ctttttcacc ttgcaaaaca aactctgtac ccattaaata acattaaaca ttccattccc 540
tccagcctca gcaaccccat tctactttct gtttctgtga gtttgactat tccaagcact 600

```

tcatatcagt taaatcatga agtattttgtc tgtctgtgac tggcttattt ctctgagcac 660
 agtgteectcg ag 672

<210> 861
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 861
 gaattcgagg ccgcgtcgac ctacaagttt ggacttggtt ctggaatctg cctacttggt 60
 caaaatatta atagcatatg atattataaa ttaatgatta gttttatgta ttgcagaaaa 120
 tatttaatta tcttgatttt tectaataata tttttatggt tacaatttga cttagtaaag 180
 gatgaaaaca aagtagcaaa actcgag 207

<210> 862
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 862
 gaattcgagg ccgcgtcgac taaacacatt atgatttttag taagacatat gcattattta 60
 gacatgtact tcttaatat aaagatagta tttgtaattg gttttgacct tattcagact 120
 atggttagag tacatactaa gcaagaatta aaggctttcc attttctcga g 171

<210> 863
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 863
 gaattcgagg ccgcgtcgac gtgttttccag aaagagaaaa catctcctgc aaagatctgt 60
 aggttgcaac ttgaaagaac aagacaaaac caaacttcaa gactatcctc ctgttttaaaa 120
 ggagactagc aggtgtcaaa gagaggcggt aaagctcatg atacctgatg taatcagtcg 180
 cctcctcctc ctggccgcag caggatgctt tcccttcaat gactcccaac tcgag 235

<210> 864
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 864
 gaattcgagg ccgcgtcgac tagaatcgtg gatcccatg gccctccttt gtcacatttt 60
 tctttttact gttctcttac cccctttcac tctcacttca ctctctccat gctgctgtac 120
 taccagtagc tctctttacc aagagggttct atggagaatg tggttccca gaaatattga 180
 tgteccatcg tatagggtt tttctaaagg agaccctact ttcaccacc acaaccatat 240
 acccccgaca ctcgag 256

<210> 865
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 865
 gaattcgagg ccgcgtcgac aattgacacg tcacactctg gtcagaagggt gttaagtagt 60
 tctgtttatt caaggaatga agtacaacca ctctagccca gtgctcaagg ttatactttc 120
 cttactctgt accaattctc tagtctcacc atcgagaggt gcctggggcc ctccagacca 180
 tcacatgcac tctgtctcga ggtctctcct tctgtgcaac acctgtcctt ctcttggaac 240
 taaccaaagt tcaccattcc tcgag 265

<210> 866

<211> 262
 <212> DNA
 <213> Homo sapiens

<400> 866
 gaattcgcgg ccgcgtcgac cattttcttt ggctgttatg tgtaaacagt tctctgtta 60
 ctttgcattg tatgttttat ttttctcttg cttgacaact tgtgccagag aaacattttt 120
 ctaccctttt ttgtctactc tttcaacctg tcaaaactgtt gaatttttct tctcttttca 180
 tagtctctgc atttctaata atgttcaact tagttcagtg ctgcccataa gaaattttctg 240
 ctgcggggcg ggggtgctcg ag 262

<210> 867
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 867
 gaattcgcgg ccgcgtcgac atctacttct agcttttttc ctattttggc tccggccgtt 60
 ggttctctat tttccccgac tgcctgcctg cacagtcttg cttccttgte ttttgcctca 120
 tatcgtcagg tagctagttt cgggttcagct gctcctccca gacagtttga tgcctctcaa 180
 ttcagccaag gccctgtgac tggcacttgt gctgactgga tcccacagtc ggcgtcttgt 240
 cccacaggac ctccccagaa cccaccttct gcaccggctc gaq 283

<210> 868
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 868
 gaattcgcgg ccgcgtcgac aaaacgtcag aacatttggg gttttaaact gatttggtgc 60
 tccctatcca gcttagacac cagtaactct tgtgttcacc aggaccaga cctttggcaa 120
 gggatagget cgttgggtgac attgtgaatt tcagatttgt tttatccact ttttttgcta 180
 tttatttaaa tggtcgatca acttcccaca acactcgag 219

<210> 869
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 869
 gaattcgcgg ccgcgtcgac gtaatacaga agggagtagg taaaaaatc tgtaattctg 60
 aaaaagtatt agtataaact ttaattagta tttcatcttt aaatgttttt ctggctctgt 120
 ccaactgaaga agcttagaaa taatgaccaa atctgttaca tccataccat tgtgatctta 180
 aaatatcttt ttctactaga agaaatggct ggttgcagaa attgcttatt ccccatgggg 240
 caggaagtgc acctcgag 258

<210> 870
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 870
 gaattcgcgg ccgcgtcgac ctgcatttta aatatattgg ggacagattg cgtcgagacc 60
 tggttatgag caagccaatc ttttgaatct agagaatgga attcttaggt ttatatttct 120
 gtttaagaaat actataaata tgactcttat gagaagactt tgttgccttg tagtgcttct 180
 gaataactgta tttgttggat tgatcaaggc tatttttcaa aaagctctct gcttctgtgt 240
 tgtttgtctg tttgtttttg agacagagtc ttgctctgtc gccggggctg aactcgag 298

<210> 871
 <211> 150

<212> DNA

<213> Homo sapiens

<400> 871

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gaattcgcg cgcgctcgac cgtccctctc tctgacagaa gccatataag gtccatgagg 60
gtagagattt tcttttttct ttgtgttaat tgctgtatcc tcagcacttg gaaaaagggc 120
ctggcacttt gggatgagcg aacactcgag                               150

```

<210> 872

<211> 241

<212> DNA

<213> Homo sapiens

<400> 872

```

gaattcgcg cgcgctcgac attgaattct agacctgcct ctagtgtgtg ggtgtgtttg 60
tctttttgtc tcccatcttt tggtttacat ttaaatcacc tcaaaaaata tcccttgcac 120
gtatcattca gcttctcaga gtttttgtgt ttttgtctgt gtatgtgtgt gtgtgtgtgt 180
gtgtgtgtgt gtgtgtttta aaacattttt tctttttgtt aggccacatg ctacactcga 240
g                                                                241

```

<210> 873

<211> 228

<212> DNA

<213> Homo sapiens

<400> 873

```

gaattcgcg cgcgctcgac catgtctcgg tccctgtcac ggggtggttct tttcctcttc 60
ctctccctca gaagtctgcc catcctacaa ggagatgtgc aggacctcc accccgaaca 120
ggtaactcgg tgccttcac ctccatcacg cagcctgacc ctgtgagccc ctctgtgtct 180
tgtggaccgg tcacctgag ctctcagtt gctgaaccac ccctcgag                               228

```

<210> 874

<211> 178

<212> DNA

<213> Homo sapiens

<400> 874

```

gaattcgcg cgcgctcgac atattaactc aaaagaaata ggggtgatttt taaaggatta 60
ataaaattct gaaatgttaa gtagaagatt acattgtcta gtcttgtatt tctcctctct 120
gttgtctctt ttcattcaca cactctcagt ttctcatatt tgtagctcat tgctcgag   178

```

<210> 875

<211> 179

<212> DNA

<213> Homo sapiens

<400> 875

```

gaattcgcg cgcgctcgac agtggctcgg caggatatat ctgatttaaa aaataggaac 60
cacaataata atagetgctt atgcttatgg agcattgcca tgtgctagat aggaccatc 120
ctcagccctt ggcaggctct agctccttta tttcttccaa tcaacactgt cagctcgag 179

```

<210> 876

<211> 214

<212> DNA

<213> Homo sapiens

<400> 876

```

gaattcgcg cgcgctcgac caagatttta ccaaggccaa ttttagtagc tttgtttctg 60
gggtgatttt tctggctaat atacagaaat aagaatgata atgaaagtga taatgatagg 120
aataataata ggaagagtag tgactttctg tctttgtgta tcaattcatt caacaaattt 180

```

gaccaagtgc ctgctacatg ccaaagcact cgag

214

<210> 877

<211> 436

<212> DNA

<213> Homo sapiens

<400> 877

gaattcgagg ccgcgtcgac gtgcattgac caacaactca tctcaaatac taaattcaaa 60
 agaaaaactg tagttctcct cagcattagc actaatttat ggtaacaatc atttctttta 120
 aatgtctaac ttatttaacc ccttcatttc aaactgcaaa ttaaagcatg tatttacata 180
 tttatataca aaaaacttca aaaacaaatt aatccaaatc ttggtccaag agtttccact 240
 ttataagtgg tatggtacta tgctatatat atctcttccc aaaagtctct taggacttgg 300
 taagttccaa atattcattc acaaattggc cccctttaag cttaatgaac catatacttc 360
 atttctgagt aaatttagagg aaatattaca gaacacgctt tgtacaatac agcaccacta 420
 ctgagaaggg ctcgag 436

<210> 878

<211> 174

<212> DNA

<213> Homo sapiens

<400> 878

gaattcgagg ccgcgtcgac cttatttatt actgaaataa tctaaactga ataaataact 60
 ttttaaaaaa ttacattggc cagcattagg ttcctgatgc gtatttggtg ttttgtttgt 120
 actgctgggt ttttctctc cagtattgga tgcgttaacg gggatgcact cgag 174

<210> 879

<211> 229

<212> DNA

<213> Homo sapiens

<400> 879

gaattcgagg ccgcgtcgac ctcagaaaaa aaaacaaaca aacatggttg tcaaatttat 60
 aattaaaagc acaatagtta ttggttggtt attgaataaa atcaggagtt ttaataatat 120
 tgggtgtggg cacttgatg gatgggacca cagtatgaag gctgtagtaa tccagcatga 180
 ggtgcccttt attttctttt tcagattcaa gaggaggcac gacctcgag 229

<210> 880

<211> 110

<212> DNA

<213> Homo sapiens

<400> 880

gaattcgagg ccgcgtcgac atttatctga tcttttacag aaaaagtgtg ctaacccttg 60
 ataacagata ctctaaaatg cagggttttc ttcttcaatt ggtgctcgag 110

<210> 881

<211> 239

<212> DNA

<213> Homo sapiens

<400> 881

gaattcgagg ccgcgtcgac gtgacttggt taactgcac ttttgcccag tagttagtct 60
 tttcctgttg ggacaccatg ttggtagtct ggaaatgggt tcttccatcc attgcctgac 120
 ttttagcttt gtcgatgggt ttctgttgga aattttgggt caggtttaat gtgaacaatg 180
 gttatgagac gagtgcacatg agttcctgtg tgcctgtcac ccagcccggc acgctcgag 239

<210> 882

<211> 159

<212> DNA

<213> Homo sapiens

<400> 882

```

gaattcgcgg ccgcgtcgac ctgtgtggat ggactgagcc tagctaagtc ctgattcatt 60
ttgacttgag ttctctcagt gggaagaatg ggaaagattt acagcttcgt cctggtcgcc 120
attgctctga tgatgggaag ggaagggttg gccctcgag 159

```

<210> 883

<211> 121

<212> DNA

<213> Homo sapiens

<400> 883

```

gaattcgcgg ccgcgtcgac ggggtctctt gcttttgttc ctctaaaaac tggctctgcta 60
actttttaat attttcttca tgcctgtctc tcaattcctt catctgctgt ccacactcga 120
g 121

```

<210> 884

<211> 257

<212> DNA

<213> Homo sapiens

<400> 884

```

gaattcgcgg ccgcgtcgac cctagcttga atttgaaaca acagcacatc ttaatttgga 60
cactaaattt tcatcaaaaa tatttcattg atttagattt cataaattta cagttgaaaa 120
agtagatgta catatccaaa ttgtcccaaa catgcttaaa atttttccag tatgtatgtt 180
gttttaaaat atttatattt ttgttgttgt tgttgttgtt ttttaagatg gattttttgt 240
cttgtcacc cctcgag 257

```

<210> 885

<211> 141

<212> DNA

<213> Homo sapiens

<400> 885

```

gaattcgcgg ccgcgtcgac gtctctctct gagctctatt tgcctcagtg caacatgaag 60
ttcatgaccc agtccgcctt tgagagggca ctcccgattc tcaacgtggc cctcgcatcc 120
ctccacccca gacaactcga g 141

```

<210> 886

<211> 286

<212> DNA

<213> Homo sapiens

<400> 886

```

gaattcgcgg ccgcgtcgac gcaacatgag gcttttcttg tggaacgcgg tcttgactct 60
gttcgtcact tctttgattg gggctttgat ccttgaaaca gaagtgaata ttgaagttct 120
ccagaagcca ttcctctgcc atcgcaagac caaaggaggg gatttgatgt tgggtccacta 180
tgaaggctac ttagaaaagg acggctcctt atttactcc actcacaac ataacaatgg 240
tcagcccat tgggtttacc tgggcatact ggaagctcgg ctcgag 286

```

<210> 887

<211> 264

<212> DNA

<213> Homo sapiens

<400> 887

```

gaattcgcgg ccgcgtcgac ggatcagaaa tattgcttgg aaagtgcctga gctcatgatg 60
gatgctcaac aagcggtagt catgataatg gcaggggaac cgggtggggtt gctcgtcttg 120

```

ttttctgcgt gttttggcgg tctgcaaggg gagagcagcc agcaggcagg gcacctgtgt 180
 acgtcgatga ctgaccaccc catggtaccc cagatctatc tccccaaaac actattcttt 240
 ctgcctggga cccattctct cgag 264

<210> 888
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 888
 gaattcggcc aaagaggcct atgaagcagg cgtctcttggc tcggcgcggc ccgctgcaat 60
 ccgtggagga acgcgcgcgc gagccaccat catgcctggg cacttacagg aaggcttcgg 120
 ctgcgtggtc accaaccgat tcgaccagtt atttgacgac gaatcggacc ccttcgaggt 180
 gctgaaggca gcagagaaca agaaaaaaga agccggcggg ggccggcgtt ggggccctgg 240
 ggccaagagc gcagctcagg ccgcggccca gaccaactcc aggcctcgag 290

<210> 889
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 889
 gaattcggcc aaagaggcct agctaccaat tcttctactc ttctgtgtgt ttcttctctg 60
 atgagttttt cttctatttc ttgctgtcga atttttctgt gccctcgaa ctcctcttct 120
 ttctctctct cctctcgtct ctgcttctct tccaggtctc tgccttctgt cctcagttt 180
 tgcagtttct tctctctctc tagctttttg tgcggcaagc tcagcttctc tctgtcgtct 240
 gag 243

<210> 890
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 890
 gaattcggcc aaagaggcct aagctgggtgt cattacacgt caacctgcct tgagccaagt 60
 cctgcttcac ctgcagcgcg aacaggtacc ttgtgagttc ttcttggagt tgtgtgtggt 120
 caggcggaat gaatttcacc acaaacttaa caacaacgtg ctttggcctt ctaatctgtt 180
 tcacaatggg ttttaggaga tccagccaca cgtgatctt tttgtgatca ggaaactcga 240
 g 241

<210> 891
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 891
 gaattcgcca aagaggccta aaaatatctg ttttaataaca agataaccac atcaagatgg 60
 ttggaaagct gaagcagaac ttactattgg catgtctggg gattagttct gtgactgtgt 120
 tttacctggg ccagcatgcc atggaatgcc atcaccggat agaggaaagt agccagccag 180
 tcaaatggga gagcacaagg accactgtga gaactggcct ggacctcaa gccacaacaa 240
 cctttgccta tcacaaagat atgcctttta tattttattg aggtgtgctt cggagtggaa 300
 ccacactcat gagggccatg ctggacgcac atcctgacat tcgtgtgtga gaggaacca 360
 gggtcattcc ccgaatctg gccctgaage agatgtgggt acggtcaagt aaagagaaga 420
 tcaagctcga g 431

<210> 892
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 892

```

gaattcggcc aaagaggcct agtctgtcct gttgtgtggg gcgaagtgat ggactctgcc 60
aggtggacat gctgtgggtg gatgttcccg gcgtgtgccg ggccctgaatg gacaggggcc 120
acttcacagc atgtcaggga aaatcactgt cacacaattc caatggattt tgtgctcttt 180
ttgaaaaaaa aaaattcttt agcgtaaaca tgaatttttt ttcaatgtag cccctgggga 240
atgaatgaaa ttttgagctt cttcaatacg taaaattaaa ttataaccac tgaggagag 300
accctttctg aaagaagtat ggccaaaagc actttaatgc tgctgacatt gttgttttta 360
tgttcatttg ctggagcgt cgag 384

```

<210> 893

<211> 208

<212> DNA

<213> Homo sapiens

<400> 893

```

gaattcggcc aaagaggcct agtggggcct ggctatctag aaaccaccgc aatggctgga 60
gccaagtgtg gtcaatgggg taaacatttc agaaggtagg cagggcatgc cctgaggcca 120
ggaggcctct gccgtcctgg ctgtgtcctc aggatggcca attctcacag aaaccaccac 180
aaggaaagat ctctgggac gactcgag 208

```

<210> 894

<211> 479

<212> DNA

<213> Homo sapiens

<400> 894

```

gaattcgcgg ccgcgtcgac atcaatatct gtattatggg gctatatatt ggtaatgatc 60
ctttaatatc gggaagggat tttaaaaata ctgtgattaa actgggttct tcctttgatt 120
ttcatatttt aaataaagcc acagtcattt atacaaaaga aaagcatctg tccctgggca 180
aatcttttga ggacagaggt caaagtaaac tgcataaggt ttttacatca tttctgtatg 240
tatttgatat atagatcaat atctgtacaa atttaattct ttattttctt ggtaactcgt 300
gatcattgag aaagtgtttg aaactttctc atgaagtgtt tatataatgg cgtgaaaaat 360
tcctttggaa aaatttatgt tcctttcatt ttaccaaaat tgcaaatctt cagcatggat 420
gtgaaaagca ttaaaattat aactttgtgt acaagatgaa aataattcac acactcgag 479

```

<210> 895

<211> 386

<212> DNA

<213> Homo sapiens

<400> 895

```

gaattcgcgg ccgcgtcgac atcaaaaatg agggatgtaa gtttcaatgt gagtatttct 60
gaatagtctt tttcaaatgc agccaagtca gtaatactct gttgtaactt tagatagggt 120
atctatgaat taaaaatccc tgaatgtgac attactctaa aatcttgcct cttgaactgg 180
agagcactgt tgttttctgg taggaggtcc atgaagcatg cattagaggt agcttctttt 240
cctggaggaa gatttggatg agtatgtatt ttttatattg aaacagacat gaatatattt 300
tgagatgaa agtaaaacta gcaggaatgt taagaaaaaa cttaaaattg ctttaaagta 360
taatgtcgaa tccccgaat ctcgag 386

```

<210> 896

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (40) .. (41)

<220>

<221> unsure

<222> (62)

<400> 896

```

gaattcgcgg ccgcgtcgac actttaacca gtagaacatn ncaaaaatga cactttgcta 60
tntttgggta caagccttga gcatgtcagg cagcttctac ttttgtaact ttgggagctc 120
tgagttgctg ccgtgcaaga agctgtcata ccttgctgga gagatgatgt ggagaggaag 180
agattccagg acaqtactcg ag 202

```

<210> 897

<211> 266

<212> DNA

<213> Homo sapiens

<400> 897

```

gaattcgcgg ccgcgtcgac cacagacttc tccactgata tctatgttag tatttatcca 60
gcttcttact tggatatatgc acttggattt ttataaggta tctcaaactt aatatgtcca 120
aaactaaact tctgattctc tgtatacttc cagcttgctt cteccacagt gtttccaatc 180
tcagtaaatg gcaaccctat ccttctagct ctttaggcca aaagcttgga atcactcttc 240
cttttctttc cccacatccc ctcgag 266

```

<210> 898

<211> 180

<212> DNA

<213> Homo sapiens

<400> 898

```

gaattcgcgg ccgcgtcgac cttgcattgc gtgggttttag ggaagcaggg tctggctttt 60
aatatgaact gcaaaaagca gcttctcact gatatttttt tgttggtgtt tctggggggg 120
ttttttgttt tgtttttaat gcctttgagt gcatattttc ttcctcgtct gaaactcgag 180

```

<210> 899

<211> 200

<212> DNA

<213> Homo sapiens

<400> 899

```

gaattcgcgg ccgcgtcgac atggggcact acactccagc ctgggtgaca gagecgagact 60
ccatctcaaa aataaaaaga gttgctagaa aaggtagaac ccacatttct ctggcttcca 120
aagcctgtgt tttttctgct gtattatgct tttttataac aaccaggcta atatatotta 180
aataccatcg tacactcgag 200

```

<210> 900

<211> 163

<212> DNA

<213> Homo sapiens

<400> 900

```

gaattcgcgg ccgcgtcgac cagaaagtgt agctctgaac aaggggacca ctatggctag 60
agagggccgt ggagctgagg gtgggatttt gttttgtttt gttttgtttt gttttgttt 120
ttttgagaca aagtgttget ctgtctccca agctggaact gag 163

```

<210> 901

<211> 186

<212> DNA

<213> Homo sapiens

<400> 901

```

gaattcgcgg ccgcgtcgac gtactgtaac atgaaagcgt tgctcgacta ccttcgctg 60
atttatctct tctactttta caaaacgacc gactctaaag atagtcacaa tccccctctc 120
caattgggtg gtacgcgaag aaatactgat caaaatcata tcttgttgc aacaggcgca 180

```

ctcgag

186

<210> 902

<211> 212

<212> DNA

<213> Homo sapiens

<400> 902

```

gaattcgcg cgcgctcgac ttcactctct tgatgctctg cttttctct ctttaactcga 60
cccacagtag accctcccac tcaaattctgc ccccaatacc ctttgcaacc aatattaccg 120
cactacactt tatcttccct aagggtttcc tgcctcctct ggtcttaggt gaggtcattt 180
ctctgccagc ctttaaagtg gaagccctcg ag 212

```

<210> 903

<211> 192

<212> DNA

<213> Homo sapiens

<400> 903

```

gaattcgcg cgcgctcgac gtttattaaa aaaaaaaaaa gaagaagaaa gcttgcagag 60
attattgggc ccaggaaagt caagttaa atgcaaattt aatgaataat aggaaattac 120
ttaaatatct ttaattttat aagcttctct atgacagtcc ttatccactg tattctttcg 180
gttctcccta ta 192

```

<210> 904

<211> 196

<212> DNA

<213> Homo sapiens

<400> 904

```

gaattcgcg cgcgctcgac tgtaaattga ggttcctcat ttccttatga ccaccaagat 60
gcaccttttc ctattttgga ctctaattcc agcagctgtg tttaaacctc ctggagattt 120
acagaaatac gtcttgccat tctgtgttca ttcgccagat tcattgctag ttgggatata 180
agcaagccga ctcgag 196

```

<210> 905

<211> 259

<212> DNA

<213> Homo sapiens

<400> 905

```

gaattcgcg cgcgctcgac tttgtttcaa agacaattcg aattgccttc tgaaagtcta 60
aatttgctag actaacattc agaattctcg tctgggtctct ctttctagca atagctcctg 120
ctttttctta catgagtact ggttccagat catctagatg cttttgtttt ccccatatgt 180
cttgggcatt ccttctgtg tctgcatgct gtttctctcc ctcaqatgtt gtctcccaaa 240
ctcccataaa agtctcgag 259

```

<210> 906

<211> 208

<212> DNA

<213> Homo sapiens

<400> 906

```

gaattcgcg cgcgctcgac cctagctccc ccgaaatttt aagactattt acctagattc 60
ggaqatgggc ttggagagtt ccaaaagggg tgtgtgtgtg tctgtgtgtg tgtctgtgtg 120
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg atatttagac taaaccatgg 180
taaagttagc caccagtaa acctcgag 208

```

<210> 907

<211> 212

<212> DNA

<213> Homo sapiens

<400> 907

```

gaattcgcg cgcgctcgac ctaccagtgg acattttgag aatattgcag ttgtttttct 60
tctgaaagag taaaccaatt tggttactca ttttaccat ttggttttga ttttgcaagt 120
ggttacaact catgagagga ttcttatttc tgatcaatat attgtgtttt tggaaaggac 180
ttctgggaaa taattatgat gaagccctcg ag 212

```

<210> 908

<211> 137

<212> DNA

<213> Homo sapiens

<400> 908

```

gaattcgcg cgcgctcgac ggagaagatt aatagatggg acagaaactg cctttgatta 60
accatcaggt tctaggggtt gtgataggca caacatatat attctacttt tggctattga 120
gggggggtcaa cctcgag 137

```

<210> 909

<211> 209

<212> DNA

<213> Homo sapiens

<400> 909

```

gaattcgcg cgcgctcgac taaattcaca agaaaaatac ttgctttttc tcccttttaa 60
tacgaatctt aactgctggg atccttaaaa cctctgaagt tgatgaatga cttttttaaa 120
aaatgaattt atgggttctt aacatgtatt tgtgttttat tttagtcctt atttgtttta 180
gtgttcacat ctgcgccagg ctactcgag 209

```

<210> 910

<211> 392

<212> DNA

<213> Homo sapiens

<400> 910

```

gaattcgcg cgcgctcgac atactttttc cttcttatga cgttttaaac catttgttca 60
gttattttaa aaagtccaag tgaggtttta atcctattta aatctaccac atataatctg 120
gtgtgtgtat gtatttgtat gtctcattgt gttttatgaa taaagatata tctcatctt 180
tgtcaagcaa actacaaagt attagataat actttctcta gttttctaag catccattaa 240
taatttatag tatggacatg aagatgtttt tctgtgcttt tgttggtgtt gttgtgttt 300
gtttttttga gacaagggtt ctctctgtca cccaggctgg agtgcagtgg caggatcatg 360
gcctactgca gcctccacca gccaggctcg ag 392

```

<210> 911

<211> 192

<212> DNA

<213> Homo sapiens

<400> 911

```

gaattcgcg cgcgctcgac gagacacata acctttctaat tcttagaaga gtattttctt 60
tggcaccaca caagccctat atagcaggaa ggaatatga ggttcagaaa jagtctagtt 120
tcagtcttac ctttaacttc actgtgtgac cctggaaaaa tatctttctt ctctactccc 180
actcaactcg ag 192

```

<210> 912

<211> 226

<212> DNA

<213> Homo sapiens

<400> 912

```

gaattcgcgg ccgcgtcgac ctgagaactt aatagtttta agtctggtgt cacttctctg 60
gacaaaataa tcttaaatte ttataatctt tcaacttaag tccttttttt aaagcttttg 120
ttttatttcc ttactttact ttctgactctt cccagtcctt cagaatttta acttctatat 180
catggtttta ctctgccaat tcccatatta ccttcccttc ctcgag 226

```

<210> 913

<211> 465

<212> DNA

<213> Homo sapiens

<400> 913

```

gaattcgcgg ccgcgtcgac cggagtctcg gggtcgcgtg cacctgggag gccagggagg 60
ctccagtgcc cgggagaaag gcaagaaaac tgaggcacag agagattgtc acacagccag 120
ttgtagttta caaagtttta ttccagaagg aaaaaagcca cttcacctag aaattttgca 180
aacaaatcaa cttttactct gtgagtaatc cagggcctat caagactaca ttttagttga 240
ctgcaaggcc tctgaggcac ggaattcac agctgagttc ttggagaagg tccttgagcc 300
atctggatgg cggacagtct ggcacatgat gtgctcaagg tgctgcttga ggccacagat 360
gtggacattt cagccttgaa ggcagtgggt cagcttgctg agccatacct ctgtgaatct 420
tgagcgagta ctttcacctt ggagtgtgtg aaagagctcc tcgag 465

```

<210> 914

<211> 172

<212> DNA

<213> Homo sapiens

<400> 914

```

gaattcgcgg ccgcgtcgac ctcacttttc agatcttgaa aggtttgaga acttggaac 60
aaagtaaaact ataaacttgt acaaattggt tttaaaaaaa attgctgcca ctttttttcc 120
ctgtttttgt ttcgtttttg tagccttgac attcaccac gcaacctctg ag 172

```

<210> 915

<211> 185

<212> DNA

<213> Homo sapiens

<400> 915

```

gaattcgcgg ccgcgtcgac gtccctgccaa tttacagtga gcttaaagac cgatcacaga 60
aaaaaatgca gatggtttca aacatctctt ttttcgccat gtttgttatg tacttcttga 120
ctgccatttt tggctacttg acattctatg acaacgtgca gtccgacctc cttcacaaac 180
tcgag 185

```

<210> 916

<211> 219

<212> DNA

<213> Homo sapiens

<400> 916

```

gaattcgcgg ccgcgtcgac aaaatattct attgtaagtc tgttttatta atttattttg 60
tggtattacg taatgctttt gttggcctgt tgtatgacaa actattttaa ggttcacatt 120
ttgatttgta tttgccaaac agcccttttg cttgttaaag ctatagctaa ctctcaggag 180
ataattgcag ttctactctt agaggatgjc tgcctcgag 219

```

<210> 917

<211> 270

<212> DNA

<213> Homo sapiens

<400> 917

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 agacttgtag agattagaaa gattatggat tactttgagg ctatgaaaat tgataattct 180
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 acgcatatga aacaggagac gggttctcat gtgagatcaa agctcctcca aagcctgttc 480
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<210> 921
 <211> 164
 <212> DNA
 <213> Homo sapiens

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 ttttgaata ttccagacca aattaccatg atctgtcact cgag 164

<210> 922
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 922
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 aagcaggtct cgag 194

<210> 923
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 923
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<210> 924
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 924
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 acatacgttt gattttgaaa ctatccccc cctcgcag 158

<210> 925
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 925
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 tattataata attagatgtg aagacatgca ctttcgtgta ttgagtattt ataggatcag 180
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<210> 926
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 926
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 gtttttaaaa ttcttggaqa aatcatatgc tgtgatcaac catagecgtg tttttttttt 120
 aatagcagga aatgtatata agtctattac cgcacttact cgag 164

<210> 927
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 927
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 ctcacctatg taagaatcga tgaaaatgcc aqcagtgagc aacggcagga actgatgagg 180
 agtccccctg ag 192

<210> 928
 <211> 167
 <212> DNA

<213> Homo sapiens

<400> 928

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 accaacatgg tgaaatgctc tctctcctaa aaaaaaaaaa tttatatata tatatcagcc 120
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<210> 929

<211> 144

<212> DNA

<213> Homo sapiens

<400> 929

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<210> 930

<211> 213

<212> DNA

<213> Homo sapiens

<400> 930

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 accagctttt ttgttttcat ttatcttttc tttttttta tttttgtttc aatttcattt 180
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<210> 931

<211> 252

<212> DNA

<213> Homo sapiens

<400> 931

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 aaaggtgat aatatttttag agagtttggg tagacttgaa tattatttgt ttagaacctg 180
 aatctcaagt ctaagtctgt aacaagattt ctcttccaga tgatgaggag tctgatgagg 240
 agagctctcg ag 252

<210> 932

<211> 437

<212> DNA

<213> Homo sapiens

<400> 932

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 gcttcgtgtc cccggctcct agacgcctcg tctctctccg tgtccctctt cccatggagt 180
 cagtacgat cgaacagatg ctgagcttgc ccgcgagggt cagcagcgac aacttggagt 240
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 cagagggccc cgcacctcta ccgacgggg agccagagca agagcagctt cgggggacct 360
 caacgccgga gagcaaagtc ctgctcagc aggcagacgc cttggcgctc cgggggcgaa 420
 tccgtgaagc cctcgag 437

<210> 933

<211> 137

<212> DNA

<213> Homo sapiens

<400> 933

gaattcgagg ccgcgtcgac ctataagctt ttgcaacttt aggttctctca atggatataa 60
 aatttgccat tatactggct ctatcttgca caagtatgat gtgccatcaa atgcagaatt 120
 atagcaggaa tctcgag 137

<210> 934

<211> 190

<212> DNA

<213> Homo sapiens

<400> 934

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 tgtgattttt attttgttta tgcctcttctg tattttccga atttcataca ataaatatct 180
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<210> 935

<211> 169

<212> DNA

<213> Homo sapiens

<400> 935

gaattcgagg ccgcgtcgac aggtccattt catctaagtt gtcacattta tgtgtgtaga 60
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<210> 936

<211> 159

<212> DNA

<213> Homo sapiens

<400> 936

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 gcctgggtgt gaatgggtgt ctcttctttc accatcataa gcttcattgt tttctttttt 120
 ctttttaaaa ctgtattttc tttgtgcggc actctcgag 159

<210> 937

<211> 234

<212> DNA

<213> Homo sapiens

<400> 937

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 ccaatgatgc atatgttgac tgtgctgtgg ttgtttcttg gcgattttat tcttaccagt 180
 cactgttttc agtgttctct tttcttactt caacattctg caaagtcact cgag 234

<210> 938

<211> 152

<212> DNA

<213> Homo sapiens

<400> 938

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 aaatgatctc cttcataccg ctagtactcg ag 152

<210> 939

<211> 275

<212> DNA

<213> Homo sapiens

<400> 939

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acctgtctct cccagcccc tcagctgggtg ggctgggtg tgcagcggc aaatggggct 180
ctggttccaa tgggcccactc tcctctctct cttgttcctt gtgcagaaa cctttgcttc 240
actccactgc cctctctagt tcccgatccc tcgag 275
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<210> 940

<211> 246

<212> DNA

<213> Homo sapiens

<400> 940

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agtatctcat caagtcaaat aagcacagag taagaatttc aaagctagag agggctgaca 180
ataatagaaa acagaaacat actcaatata tactctcttc tctatgaa gctggggcta 240
ctcgag 246
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<210> 941

<211> 168

<212> DNA

<213> Homo sapiens

<400> 941

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gaattcgagg ccgcgtcgac atttaattaa tcacttcaag acatttttga tattacagct 60
tttgtcctta ggtggagctg ttaaagttaa ataagtgtga atatctgtca aatacagttt 120
ttgcaagagt gcatgtacat ttatatatt gtaagaaaag ctctcgag 168
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<210> 942

<211> 205

<212> DNA

<213> Homo sapiens

<400> 942

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aaagtgtatc agacttaagc ttttaataca tcagtcattc aqttgataga caaagttagc 180
gatgctttat gctaggatag tcgag 205
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<210> 943

<211> 188

<212> DNA

<213> Homo sapiens

<400> 943

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gaattcgagg ccgcgtcgac ctgagcattc cagccgggac atctgtgaa aatgatgtta 60
ctttattttt cagttttttt cttctcctta tccaggacac atccccacca gacaccagct 120
cctctgcccc atccaggcct ctatccccca ccagtgtcca tgtctccagg acagccactc 180
acctcgag 188
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<210> 944

<211> 241

<212> DNA

<213> Homo sapiens

<400> 944

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gaattcgagg ccgcgtcgac gaatcatata gatatagac ttttcagatt ggctttcttc 60
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acttagtgac atttatttaa atttccctaat gtctttttat agtttgatag ctttttttta 120
 ttcttttaaat tttttttttc ctgctgcctc tctaattqca gaaagctcat ttatttttag 180
 cacatttcat ttgatattc cattatctgg gtgtaccaga gttcttccat atcacctcga 240
 g 241

<210> 945
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 945
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 atatgtcttc tactttgcct ccttcattct actactgaga gaggtacttc gacctgggtg 120
 cctgtggttt ctaaggaatt tgaatgatec agatttcaat ccagtacagg aaatgatcca 180
 tttgccaata tataggcacc tccgaagatt tattttgtca gtgattgtct ttggctccat 240
 tgtcctctg atgctttggc ttctatacag tataattaag agtgtgctgc ctaattttct 300
 tccatacaat gtcattgtct acagtgatgc tccagtgaat gaactgtccc tcgag 355

<210> 946
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 946
 gaattcgagg ccgcgtcgac gggaagctta gagcaggaat tcccttaaga cgggtgtgata 60
 gactctttta aagaaaaaat attcagtctt taacactcgt taaagcatgc aaaggaagac 120
 tttattcagg atcctcgtga taggtattgg aagcacagca gtgagatttt gcaatggggc 180
 actcgag 187

<210> 947
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 947
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 gtgttttagct ttgtcactac acttaaggag ggcatttttt attttaaac aaagggggac 120
 agaaagctta gtgaggagt tagaagccct accctttcaa gaagtgttga tggaattgaa 180
 gacaaaccca ggagaaggga acacgagggt gaggagaaca ggggtggcct cagacacca 240
 ggccaacaca tgtcaagggt tagacttact ggaaaactcc agagcgtga acctcgag 298

<210> 948
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 948
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 ttaatccacc tggaaatagt ctttgtatat ttttaaaagt agaggtttta tctcattttt 180
 cccgatagat atgcaattat cctgtacct cgag 214

<210> 949
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 949
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 gactttgtga agccagaatt tctcttgcct aggcacttg ctccatgcct gattttgtgg 120

gatgatattt taccaaattc caagcgggac gacagcaatg ttcttcaaat tataagagaa 180
aatagtatct ctctcagtga aatcgaatga ctcgag 216

<210> 950
<211> 272
<212> DNA
<213> Homo sapiens

<400> 950
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ttcataattc agtagcagct ttttctttta gatactcctc ttttttgcct tcattgtttca 180
ctagtcttatg cagtaattta gataatttag ttactagcgt gactacacct accacaaaca 240
acatgggaat aaacaaaacc gaatcactcg ag 272

<210> 951
<211> 224
<212> DNA
<213> Homo sapiens

<400> 951
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aaatgtggct gttgattaat ttgactgctt ctcgttgctc gtcacctcca tggcatgcac 120
tgtgtctgct aattgcttta tggggggcatt ctcttattta ttcccagcc ctgggaaata 180
ggagctgtca ttatcttctt cttctctgcac aaggaaaact cgag 224

<210> 952
<211> 164
<212> DNA
<213> Homo sapiens

<400> 952
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tgtcattctc ctatgttttt caaatcatta ttctatgtct cttctcagta aggcctatcc 120
tgaccaactc atctaaaatt acaacttccc accacactct cgag 164

<210> 953
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<212> DNA
<213> Homo sapiens

<400> 953
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tagttttctg tgttcacctg gtattttctt cagacaaaaa tcattgaaaa gcgaatgcaa 120
aatttcagta tgttcaaatg gtttcttagt atatcggtgg ctttggaatg catttgcat 180
ctcaaaacaa gcttcacagc aaaactcgag 210

<210> 954
<211> 191
<212> DNA
<213> Homo sapiens

<400> 954
gaattcgagg ccgcgtcgac ataaaattac gtcattatct atttggtcat tcattcaaca 60
aatttttgat gaagtaaat aatagtataa gcataacaac tgcattttat tgaacactta 120
atatgtctca ggttctataa tacatacttt actgggtgta tctacacaa aacacacaa 180
aagcactcga g 191

<210> 955
<211> 195

<212> DNA

<213> Homo sapiens

<400> 955

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gaattcgcg cgcgctcgac atttcttatt agccaatatt tattaagcat ccgctgagaa 60
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ttcttgaact tgtttctcac ttaggagaaa caatttgagg gtaatatgaa cagaatattt 180
gtgagcatac tcgag                                     195

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<210> 956

<211> 231

<212> DNA

<213> Homo sapiens

<400> 956

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atgtgacagt gtctttcaaa cgaacttctc taacaagttt atagttattt tctgtttca 120
acactattag aagtcttata aattatgcta attagcatgg cagtcatgtt acacactctt 180
aacattgcca aagaactgtt gatttcgttc gagaaaaccc caggactcga g          231

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<210> 957

<211> 214

<212> DNA

<213> Homo sapiens

<400> 957

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gaattcgcg cgcgctcgac cgagatccac ggctgcatcc cctacgaacc ccatgaaatt 60
cctgaggaat aaagcaataa ttcggcatag acctgctctt gttaaagtaa ttttaatttc 120
gagcgtagcc ttcagcattg cctgatatg tgggatggca atctctata tgatatatcg 180
actggcacag gctgaggaaa gacaacagct cgag                                     214

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<210> 958

<211> 183

<212> DNA

<213> Homo sapiens

<400> 958

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gaattcgcg cgcgctcgac taattacctg aagcttttagt aataaagaac taattttttt 60
tgtcagttac cacattttgt ttttagcttc aagagggttag tagtgacaaa tactgaggct 120
aaagggttaag caagatttcc aggtttacag agatattaat taatctggat gaggtctctc 180
gag                                     183

```

<210> 959

<211> 199

<212> DNA

<213> Homo sapiens

<400> 959

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gaattcgcg cgcgctcgac atttgcgttg actgtggatt tctctctgcc tttggaacat 60
ttgtgcaagg atgagagggg atagttttaga tctcttaact gcataatgctg taggttataa 120
agccacagta atgtgtttcc tttgcagttg tgcctcttat tcttgcctcc agactagctc 180
tgatagggaa gctctcgag                                     199

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<210> 960

<211> 195

<212> DNA

<213> Homo sapiens

<400> 960

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gaattcgcg cgcgctcgac ctttttttaat actatgaaga aaccaaggca gaattacgac 60

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ctctgggttct ttttcttttt ttctttttta gacagggttg gttctgtcgc cctagctgga 120
 gtgcagcggg gtgattcacag cacactgccg cctccacctt tgagggtcaa gcagtcctcc 180
 catctcaagc tcgag 195

<210> 961
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 961
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 gtgggaaaaa agtgagagga atactttttt gaaattggta tcggaaggaa ctggagaaga 120
 gaaaacaaca gtgccaaatg agaaaagaac agttcctcga g 161

<210> 962
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 962
 gaattcgagg ccgcgtcgac caaagagtct tgaattcttt tgttttccca gtaccaaatt 60
 tacttttagt ttatctatga aatgggtgata aactttcgtt gtaagtatca ttgatagca 120
 ttgaagtatt taactttttt gttggagcca gagtctcagt ctagggttga gtatagtggc 180
 gccaccggct ctatcttagc tcaactgcaac ctccatctcc caggttcaag cagttctcat 240
 gccttactcg ag 252

<210> 963
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 963
 gaattcgagg ccgcgtcgac tgccttctgg acacagattt tcagggagat ttaggggaga 60
 gaaacttacg agtgaatgag atactttatt ctaaacagct tgaatgtcat tctgattttt 120
 ttgtcttttag ttgatgatgg tgaggctctc gag 153

<210> 964
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 964
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 ttaaggattt gtgaacagat gggtgcact gcatttctgt tgatcatgat gttctattct 120
 agacaactaa gaatgtcaaa aagcttctta tcttatgaca actccagtcg agtqatggcg 180
 gctacttgga gcaactgggtt agaaagaaaa ctcgag 216

<210> 965
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 965
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 ttgcaccacc cccaaacact acattcgctt tggctcacc tttatccctg agagacgtcg 120
 aaggccctct ctgctgatg gcacattcag ctctgttaag aaggtatgtc tgtgtttttg 180
 tgtgtgtgtt gtgtttatgt gtgtgtgctt ttttttttta agcctaatat tccagctcga 240
 g 241

<210> 966

<211> 252
 <212> DNA
 <213> Homo sapiens

<400> 966
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 agggagattt caacacttgt ttgtcttaaa tactttctgc tatcatctca ttgccatcca 180
 ctcttcttcc agggctctgga tatattttgg aaagggtatt agatgaaact ctattttgct 240
 gtggtactcg ag 252

<210> 967
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 967
 gaattcgcg cgcgctcgac atagctttgt agagtgcact cgactgttaa agtgggtgtcc 60
 tgccccagat tgccaccatg ttgttaaagt ccaatatcct gatgctaaac ctgttcgctg 120
 caaatgtggg caatctcgag 140

<210> 968
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 968
 gaattcgcg cgcgctcgac attaattatt gctatgtctt ttacttgcct ttattttcta 60
 tcttcatgga ttaatttttt ccaaagtatt ccagaatctg ccacacacct accattcatt 120
 ttttccacc aaatgctcag ttgtgtcagg ccactctgtc attccccgt caccctcgag 180

<210> 969
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 969
 gaattcgcg cgcgctcgac atcctactat gttgacagac atgatgaaag ggaatgtaac 60
 aaatgtctc cctatgatc ttattgggtg atggatcaac atgacattct caggctttgt 120
 cacaaccaag gtccatttcc cactgacct cgtttttaag cctatgttac agcaagggaat 180
 cgagctactc acattagatg catcctgggt gagttctgca tcttgggtact tctcaatgt 240
 atttgggctt cggagcattt actctctgat tctgggccaa gataatgccg ctgaccaatc 300
 acgaatgatg caggagcaga tgacgggagc agccatggcc atgcccgcag acacaaacaa 360
 agctttcaag acagagtggg aagctttgga gctgacggat caccagtggg cactagatga 420
 tgtcgaagaa gagctcatgg ccaaagacct ccacttcgaa ggcattgtcc tcgag 475

<210> 970
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 970
 gaattcgcg cgcgctcgac ctccaatcct tcttatgcat ttccctctct tcttctact 60
 atacaggtgt ccctgccttg ccagccact gggcaacttc ccccatctcc ctatacctcc 120
 aaacactctc gag 133

<210> 971
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 971

gaattcgcgg ccgcgtcgac ctgatttttc ctctacata gttgtatgtt gttatttttag 60
 cttgcttttt tatgacagtt tcaggcacat tttatatgtt aattaagcat gcatatagcc 120
 agctttctcg ag 132

<210> 972

<211> 188

<212> DNA

<213> Homo sapiens

<400> 972

gaattcgcgg ccgcgtcgac tctgacaatc agtttatgtg aatacatgtt ttatggatta 60
 aaatattaga ttattattat atctctctaaa tgaattggct tgttatcggt atgaaatggc 120
 cccctttatc cttagtaatt tttttttgtt ctaaaatgtc ctttggtatt gatgcagccg 180
 tgctcgag 188

<210> 973

<211> 156

<212> DNA

<213> Homo sapiens

<400> 973

gaattcgcgg ccgcgtcgac gtgagatgtg agattgaaaa agtgtaagat gtcagttaag 60
 attacaataa aaactggaag tatattcttt tttcttttat cgttattata tttatatttt 120
 ttcaagacag ggtcttgctc tgctcccaga ctcgag 156

<210> 974

<211> 189

<212> DNA

<213> Homo sapiens

<400> 974

gaattcgcgg ccgcgtcgac atctacctca gttaaacagt tgggtgctat tactaagtct 60
 gtcaaattaa attggaaaaa gtaaccaaac agtgagatac aactccacat gaaacttgaa 120
 attgtaattt ccgtttattt aatgatattt ttattttatt gtgcctttta tgttgaacct 180
 cttctcgag 189

<210> 975

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (56)

<220>

<221> unsure

<222> (82)

<400> 975

gaattcgcgg ccgcgtcgac ttattgtatg atttattttg gagttatatt ctgatnacag 60
 tgctccctct cccaaatagc antgattttt tccccctct aaaatgtata atctggtctc 120
 aggttggatt ctttggtaca tttctctctt ctggatgcca tgcagcgcac tcgag 175

<210> 976

<211> 223

<212> DNA

<213> Homo sapiens

<400> 976

```

gaattcgagg cgcgctcgac aaattttagt tgccccggga gttcttttgt atctgaaacc 60
tcagttgtca agcttggaat tctgtacttt taaaatatcc tcaagcgatt ctgattacac 120
atcagggttg gaagcacttg gcataaagaa cttccccccac ccaattcaaa gaaatagtat 180
ttaagccctc ataatgtgca gtgtgggtta actgtgtctc gag 223

```

<210> 977

<211> 173

<212> DNA

<213> Homo sapiens

<400> 977

```

gaattcgagg cgcgctcgac gaaatgtctt gctctcttct cttttccttg ctgtccctgg 60
ggctggagga gcaaggccct ccccgaggag gggttcagc ctccctagac tctgtctctc 120
ttccaagggc taggcctggg ggaccagaag caagagtcct aagcgtctc gag 173

```

<210> 978

<211> 148

<212> DNA

<213> Homo sapiens

<400> 978

```

gaattcgagg cgcgctcgac attgggtacca ggcacttaca aagctaaatt ttccgatgtt 60
cctttcacca gcatactctc ttctcagttt attcattgat gcagaaagca ggcagctggc 120
caccgggtgt gctgacggcc aactcgag 148

```

<210> 979

<211> 224

<212> DNA

<213> Homo sapiens

<400> 979

```

gaattcgagg cgcgctcgac atttattaat ctaggaaaat taaatagtc cttgaaacaa 60
aaatttttag ctgaatttat tgaaattata tttgttaaat gattacaatt tgaaaatact 120
ccgtgtttga tgtaggctg aacatgaaaa ctttttattt gaatcagatt tttttttttt 180
taagttttgt ccatcaacta aaggcacaac cagacgacct cga 224

```

<210> 980

<211> 135

<212> DNA

<213> Homo sapiens

<400> 980

```

gaattcgagg cgcgctcgac cgactttatt aaatctatga aaaatattta tattattgga 60
ttattatggg cttgctcgac atggactatg ggggatacag tcgtaactga taaagcaaca 120
acggtacaac tcgag 135

```

<210> 981

<211> 234

<212> DNA

<213> Homo sapiens

<400> 981

```

gaattcgagg cgcgctcgac ttctagacct gcttctttta ggcatactat attcatgcta 60
ttaagggtaa tttgtgagat gcgagtaaat ttccttttct ctctctgttc atcacttgc 120
ctcttttctc ctatactgtc caaaccaagg actgctttcg atctccgtgg ttcatttaat 180
ctcttttctg atttctcatt tccaaattct gctcagacc cccacactct cgag 234

```

<210> 982

<211> 189

<212> DNA

<213> Homo sapiens

<400> 982

```

gaattcgcgg ccgcgtcgac ctctgacaaa tagctcagga tgagtgggaag aaaatgggct 60
ttgatgtctc tcacaactgc agtgggaatt ttaggagggg caatttgcca agaagatggg 120
gcaggatttg aaaggatttg ggaggatggg gagtgggtgtg cagagaaagt ttaggaagc 180
gacctcgag                                     189

```

<210> 983

<211> 211

<212> DNA

<213> Homo sapiens

<400> 983

```

gaattcgcgg ccgcgtcgac ttgaattcta gacctgctc gaaaagctgg agagctgaca 60
aggaagggtt cgagcgtttt gctggcaaag ggatttctta caacctccag gcatgcgtct 120
ttctgacctg ctggccttgg catccaaggt cactctgccc cccattacc gctatgggat 180
gagcccccca ggctctgatg gcagactcga g                                     211

```

<210> 984

<211> 185

<212> DNA

<213> Homo sapiens

<400> 984

```

gaattcgcgg ccgcgtcgac cgcattctgc gagcaatgtt gacaatctca tcaaaagtga 60
tattcccact gtgtttaatg tttttctgtt tctttctgtc tcttggtggt tccttgaggg 120
ctttgatgat cagggcagag gcagaaggca ccaccaagag acagaaagaa acagaaaaac 180
tcgag                                     185

```

<210> 985

<211> 291

<212> DNA

<213> Homo sapiens

<400> 985

```

gaattcgcgg ccgcgtcgac agaacctgga aaaattaacc acatgagata cgatacacta 60
ccccagatgt tgacgttggg aaatatccgt gctggcaaca aaatgattgt gatggaaacg 120
tgtgcaggct tgggtctggg tgcaatgatg gaacgaatgg gaggttttgg ctccattatt 180
cagctatacc ctggaggagg acctgttcgg gcagcaacag catgttttgg atttcccaaa 240
tcttttctca gtggtcttta cgaattccct ccttacaaa tggcactcga g                                     291

```

<210> 986

<211> 152

<212> DNA

<213> Homo sapiens

<400> 986

```

gaattcgcgg ccgcgtcgac gaccaccag gtaatccaca agattcttaa ttatatctgc 60
aaagattcct ttttcaaatg agaccatctt tacagattct ggtgattagg atatggctat 120
atctttttat cttttgttgg ggaatctctg ag                                     152

```

<210> 987

<211> 235

<212> DNA

<213> Homo sapiens

<400> 987

```

gaattcgcgg ccgcgtcgac cattataggg tgactgtaag actcaaatag agccactgcg 60
cccagcctag gaagccctaa gttttaaaaa ctttttaaa tttaaattaa gcaaagagct 120

```

tcacacaaac atttaaattc ggcaataaag tgctattaca gagatgcata gatttggttt 180
tccttttttt actttccctc tcttctctct tccttccctt tcttccccc tcgag 235

<210> 988
<211> 171
<212> DNA
<213> Homo sapiens

<400> 988
gaattcgagg ccgcgtcgac ttctattaat cttaattccc ccattttgtt tctgtgatct 60
gctatgacat tacaaaaaaa attgggtttat ctttcttctt tcgttttcca gtgcctttat 120
tgcattggaac agtatccctt gcacccacgc ttcaccccggt ttagtctctga g 171

<210> 989
<211> 174
<212> DNA
<213> Homo sapiens

<400> 989
gaattcgagg ccgcgtcgac ctcaaaattt ttgttttttg ggctccgttt tgttgagggg 60
ggctgttttg agaccagtt gctcatgggt ttaattctga cacatttaag tgggtgtttg 120
ttttgtttgt ttctgagggg tgggggtgtt ctctgttgcc caagctatct cgag 174

<210> 990
<211> 207
<212> DNA
<213> Homo sapiens

<400> 990
gaattcgagg ccgcgtcgac gcctgtccct cctccgtaat agctcagcac ctacacatg 60
cttccgactc agcctgtgct ttgcaactt atttgcttac ctattttctt tccccactcc 120
tccatgactt tgtggaaggc aaggacttta tctcaggatt tctctatcac cagacctagc 180
ttgggggcagc aaagcaggct cctcgag 207

<210> 991
<211> 169
<212> DNA
<213> Homo sapiens

<400> 991
gaattcgagg ccgcgtcgac attttgtgtt ttgtttttca ttcattctca agtatcttct 60
aatttccctt gtgatttctt ctttgacccc ttgattgttt agaaatctgt taatttccac 120
acatttgtaa atgttccaat ttttcttttg ttattgccag ctctcgag 169

<210> 992
<211> 181
<212> DNA
<213> Homo sapiens

<400> 992
gaattcgagg ccgcgtcgac cctaaaccgt cgactctagt cagaagttat ctgagcaaag 60
agaaaataaa gcctggcgta gacagtccca tagaaaata; aatccatagc cactgggctg 120
cccttcaatt tcccaattca ttccactaag; tctcatgatg caaatctgtc actttctctga 180
g 181

<210> 993
<211> 355
<212> DNA
<213> Homo sapiens

<400> 993

```

gaattcgagg ccgcgtcgac gtggctctgt aatgctaaca agaagtctga aaaccttgc 60
aagcgctgt actgcttttt tcttctcttt tttttctgtt ctggtccggg gatcccgagc 120
tgtctgcag ctgtacctg agaactcaga gcagttggag ctgatcaca cccaggccac 180
aaaggcagge ttctccgggt gcattggtgt agactacctt aacagtcca aagcaaagaa 240
attctacctc tcttcttttt ctgggccttc gacctttata ccagaggggc tgagtgaana 300
tcaggatgaa gttgaaccca gggagtctgt gttcaccaat gagagagtc tggag 355

```

<210> 994

<211> 249

<212> DNA

<213> Homo sapiens

<400> 994

```

gaattcgagg ccgcgtcgac ctggaatggc tgggtaaaat tatttcatt ctgaaaaatc 60
aagaacaccc ttcatatacc attcttctgc acttccctcc tcccaaaccc ctanaataat 120
acaactcagg ccgggcacgg tacaattaa ttaaacacat cttttgataa tctcatctt 180
ggtgttgaa aagacgggaa aatccaaaag tgtctatttt gtgccccaat gctcaagtta 240
atactcgag 249

```

<210> 995

<211> 346

<212> DNA

<213> Homo sapiens

<400> 995

```

gaattcgagg ccgcgtcgac cttttctgt ctgttttgt ttccttgcct gttgcgtgca 60
agggaaagtgc ttgtaaagt ctgtgtacg agatttttaa aataaaaaatc gtttcgcagc 120
aggtttctcac aaaataactg gtgttagctc aagaaatcat catctgacca tcagaaatct 180
tgactaaagg tgttgcatgg atttgggggt ctttcgggtt ttggttttgg gtctggcttt 240
tagcagggcc aatgtttccc aaccccggc ttcatgggta ctgctttgcc ttctcaccac 300
ggtgacgatg gtgtgcgtgg aaagagatga taccacccc ctcgag 346

```

<210> 996

<211> 147

<212> DNA

<213> Homo sapiens

<400> 996

```

gaattcgagg ccgcgtcgac gctttgatgt atagattaca ggtttcatca accttccaaa 60
gctttcagcc attgtttctt caagtatttt gttttctac tctttctctt ctttctcttt 120
ctaattgctc taccctgat gctcgag 147

```

<210> 997

<211> 329

<212> DNA

<213> Homo sapiens

<400> 997

```

gaattcgagg ccgcgtcgac aaattattaa ggggttaagta aggagtttta aataccaata 60
aatctttat tataacacca aacctcagaa gctctctctc ttggcattag ttttattgta 120
ttggtttaat ctgatattta atctctctga ttatagtaag ctgaaaccaa aattgagaca 180
tgattgtttt atgtttgttg ctattatttt tgaatttttt tttttttttt ttaagacaag 240
gtcttgcata gttgcccaac tggcctcaaa ctctgagct caaagtgate ctcccacatg 300
ctctctccac atcacatcac agtctcgag 329

```

<210> 998

<211> 293

<212> DNA

<213> Homo sapiens

<400> 998

```

gaattcgcg cgcgctcgac atatttttcta ataaataactt gagcggtttt tgtctggcag 60
gcttccaaat ttgccaaaat taagcgttca gtatttttcaa cacatacgct ttttactggg 120
ttatactgaa ctatctgatg agaattcctg tgttcccaaa gcaactgatg tttacaggtc 180
ttgtgtttct cctcctcctt tctaaggatg aggggaatcca caacagactt tctctagaaa 240
acactaatga tggacaactt tttggtgtca tcaatgagtt ggetactctc gag 293

```

<210> 999

<211> 158

<212> DNA

<213> Homo sapiens

<400> 999

```

gaattcgcg cgcgctcgac cttattoget gaactcaggc atttccactt gcatgtccca 60
cagttgagtc aggaccata atttcttctt gctttcccat gctattcctt tccttattga 120
caaatgccat catcttttct ctcactgccg cactcgag 158

```

<210> 1000

<211> 152

<212> DNA

<213> Homo sapiens

<400> 1000

```

gaattcgcg cgcgctcgac tttttaaatg aggttattta aatgttaaag aaagttttag 60
tggctgcatt attgggggta ttttcaactg catttgcagg aggttttcaa attaaagtgg 120
gtgcgagttt aattgaccca acagcactcg ag 152

```

<210> 1001

<211> 196

<212> DNA

<213> Homo sapiens

<400> 1001

```

gtgactctca tctattaacc taagccagaa atcaaggagt catttttagat acttccttcc 60
actccttatt atctggtcag ttctaatga aatgatggtc attttcctaa tttttctact 120
tgtctctaaa tttactgc atgattccat tcccttgtat actgctagag tgaatagtca 180
cctcacgaac ctcgag 196

```

<210> 1002

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (280)

<400> 1002

```

gaattcgcg cgcgctcgac aacttttttca gcaactaaaa aagccacagg agttgaactg 60
ctaggattct gactatgctg tgggtggetag tgetcctact cctacctaca ttaaaatctg 120
ttttttgttc tcttgtaact agcctttacc ttctaacac agaggatctg tcaactgtgg 180
tctggcccaa acctgacctt cactctggaa cgagaacaga ggtttctacc cacaccgtcc 240
cctcgaagcc ggggacagcc tcaccttgcg ggcctctcgn tggagcagtg ccctcaccaa 300
ctgtcctega g 311

```

<210> 1003

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1003

gaattcgcgg ccgcgtcgac gaggaatggg agtattctct tatgaaatag taagtctgtt 60
 atcatttgca gttttctgtt tatggctctg cagagcagtg acttcagagg ggcaacctgg 120
 acagttgact gctcccatca ccaaaaccaa actacacaca cacacacgtt cccaaactgc 180
 accaaggcac cccaaagcac cactcgag 208

<210> 1004

<211> 223

<212> DNA

<213> Homo sapiens

<400> 1004

gaattcgcgg ccgcgtcgac agtttttggg ctgtgaattt aatgttttag gaagtcccca 60
 ttttaagattc tttaaaatgg tttctctctg tgtgctttta ttctttata ttaaaatctt 120
 tgatttatct aaaattactt ttgtgaaaga gtggtatagt gagaatagct ttttagagaa 180
 aacaaaaaca aatggtttga atattgtctc caacactctc gag 223

<210> 1005

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1005

gaattcgcgg ccgcgtcgac tgggcattac tatgttaqtt ggaataactg gactctttta 60
 cactcaacta attggcatca tcacagatac aacatctatt gaaaagatgt caaactgttg 120
 tgaagatata tcgaggcccc gaaagccatg gcagcagcac ctcgag 166

<210> 1006

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1006

gaattcgcgg ccgcgtcgac gaacaacgtg ggcttttcatt atgtatgtac ctttctcttt 60
 cttttgttgc atgtggggga cagtattgct tcaactaatg tttattactt taaaacacga 120
 aaggtatgag gaagtaaacc aaaacagctc acagtcttca aacaggacct tcgag 175

<210> 1007

<211> 191

<212> DNA

<213> Homo sapiens

<400> 1007

gaattcgcgg ccgcgtcgac gggaaaacaa agaaacaaac tataaaagaa agcaaaugaaa 60
 atctttgtga ttgggggtca gagataggac tccaaaaaca taagaaaaaa actggtaaac 120
 tgaataaatt gataaactgg acttcacaaa aattaaatac atttactatg aaaaaaacag 180
 tgetactega g 191

<210> 1008

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1008

gaattcgcgg ccgcgtcgac ccaggatttc aactatactc atccacagac ttttccatt 60
 gggtagaaat tgaacaqua ctgacagaac caggatttga ataccagcct ttgactcca 120
 aatcagggac aagatgcagt ttgtatgtt aattattttt attggttttg atattgtggc 180
 cccactcgag 190

<210> 1009

<211> 245
 <212> DNA
 <213> Homo sapiens

<400> 1009
 gaattcgagg ccgcgtcgac ttcaatctct agaggtttgg cagtttcttt ttatcaaatt 60
 cttcccttaa taagctgcag cctgtgaatc tcaaaataat ggaagtttta aaaacagaaa 120
 gaaaaagatt tttattttta tttttttatt tttatttttt taagacaggg tcttgcctctg 180
 ttgccagga tggaatgcag tggcacaatc gcggctcgtt gcggcctcaa tctctggggc 240
 tcgag 245

<210> 1010
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 1010
 gaattcgagg ccgcgtcgac tgaagttctg aaaaaaattt taggagattc ctgctttcta 60
 ggggtgctgaa gaaagactac ttaaaatcac tatttaatat tacagtaaag aggagatacc 120
 tgtattttga actttgcata aaattgatgt ttctttatgg ttaaatttag attaatactc 180
 gag 183

<210> 1011
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 1011
 gaattcgagg ccgcgtcgac ccagactctc atatccatgg cttctttggt ttataaaata 60
 gtatacttac tgtgccttaa acagaacttg gatccctctt atttccacta catctctctt 120
 tgtctctgta aggacctga g 141

<210> 1012
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 1012
 gaattcgagg ccgcgtcgac cttgtatgtg tcatttgagt gggttccaga ttggagcgaq 60
 gttattctga tctaaatgaa cagcattttt ttccttagcc tctgtttgcc actctgggta 120
 tctctcctat gggcaaagcc attagaaatg catccactcg ag 162

<210> 1013
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 1013
 gaattcgagg ccgcgtcgac atctttttcc tgtggtctgt tcaaaaactt tgtctttgag 60
 caatattact attatgtgtc tagatatagt ttcttttttt atccagcttg ggattcttag 120
 aaattcttca ttttqtagtt tgatgtcttt tgaaagtttt ggaaaattcc cagtcagaat 180
 atcctcagat catgtttcta tccccaatcc tctcgag 217

<210> 1014
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1014
 gaattcgagg ccgcgtcgac actgatatac gataqacaga acatatataa aacgtaaaat 60

```

ttgataagtt ttggcatatg tatgcacatg caaaaccatc accataatca agaccgataa 120
cataccatc atccataaaa gtctcttccct gtccctttgt attcccttat taagaaacta 180
ctaaatgttt aagtatttgt gctattttcc attcctatca gcagtacatg ataattctcc 240
ttgttccata tcgtctgagc tcgag                                     265

```

<210> 1015

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1015

```

gaattcgagg ccgcgtcgac caaggacttt ccccatgtca agtcttcagc agacgagcca 60
cacagttcca agtacatctt aagaagcaca ctctagatgc agaatgaaga ttcactatct 120
gctcgag                                           127

```

<210> 1016

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1016

```

gaattcgagg ccgcgtcgac gcctggctag ttttaagggt ttttaacagg cattgagaca 60
totataatgg tcttgcctgt tttggatctg actcaaacct agccctgctt tctatttttc 120
tttctttttt tttttttttt gaggcagctt tactgtatgg ccgaggctgg agtgcagtg 180
catgatcttg actcaatgca acctgtcttt cggggttcaag tgattctcga g      231

```

<210> 1017

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1017

```

gaattcgagg ccgcgtcgac agcttaatcc tttctagctt ctgattttaa gtgagagaca 60
tgagactctt cctttcactt gtataactag gggccattgt cgggttatto attagcttaa 120
tttcaatatt gttgtgtctc aggagtagga atatccaaag agaggagaga agacttgggg 180
agcagctggg cagtqgaaca actctcgag                                           209

```

<210> 1018

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1018

```

gaattcgagg ccgcgtcgac ataacccttt aatggctccc tatgccccag gattaagctc 60
aaacaccatg gtgtggcatg tgagaaagtc ttcctttgtc tggtctctgc agctcttcag 120
cttcactctt tgccactctg tcctctctgt gtcctccagt catgtcccat ggacacagtg 180
tgcagtcata cccccaattc tcgag                                           205

```

<210> 1019

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1019

```

gaattcgagg ccgcgtcgac ctccatcccc accttcttct tcctctcttc tacagtttga 60
tgctgtctgg caatttcact cacttcttag gcttcagttc tcaaccactc actgctgatg 120
actcccaaat gtttatecct gccctgaact cctacctgtt atgtctttct gaatataacg 180
ctcttaatcc caactgttta ttatactcat ctctcgag                                           218

```

<210> 1020

<211> 259
 <212> DNA
 <213> Homo sapiens

<400> 1020
 gaattcgagg ccgcgtcgac cctaaaccgt cgattgaatt ctgacctgc cattcaaccc 60
 ccctcatcac actctcacac tttctgagct gagatccaca gtaaggata cactgtttca 120
 tcttcgccct aggcacatac tctcatccgc agctgaaatg cagtttcaga atgtgaatcc 180
 ttatttcacg ttctgtgtgg tgatgttttc tgttttctct cttgcctcct cctcagcatt 240
 ggctacacac ccactcgag 259

<210> 1021
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1021
 gaattcgagg ccgcgtcgac gcccatagga gttgaaaaat cctgctgctc tcagctatat 60
 ttttttctcc attatttata aatgtttgct tttaaactga ttttatttcc cattctccc 120
 tggagttggg ccaggggaga gtgggggtgg aagacagatc tcgag 165

<210> 1022
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 1022
 gaattcgagg ccgcgtcgac ttttaagtc tagagatcgg gtctcgttat gttgcctagg 60
 ttgattttga actcctgggt ctgcctcagt ctccaaaat gttgggatta caggcatgag 120
 ccaccttgcc ctcccgaaa ctgccataat gttttccgta atagctgcat catcttacat 180
 gccctgtgc tcgag 195

<210> 1023
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 1023
 gaattcgagg ccgcgtcgac aatcattcca acaatatctc tgtgattgtc tctaacgaac 60
 tactttttct gatttttgat cagtgatctt tgactataat agaaaagaaa gtttaaatgt 120
 tatggaaggc gctggggctc gag 143

<210> 1024
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1024
 gaattcgagg ccgcgtcgac caggaaagca ttgaattaaa ttatacagta ccatttctcc 60
 aggtattgag cttaaagagaa tggagctaaa attgacctgc tgtcttgta ttacctatt 120
 tctaattctg tcattttctt tccaaaaatc ccacgcatat ctcgag 166

<210> 1025
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 1025
 gaattcgagg ccgcgtcgac attggaaata tcctccagac agaaagtcag caaacatctt 60
 acttaattctg cagtacagac caaatggact taatagacat ttacagaa ca ttttatccaa 120

tggtctgcaga gtacacattc ttcagctcat ggatcattct cgag

164

<210> 1026

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1026

gaattcgagg ccgcgtcgac tgacattatt atcaattaac attttacttc cttctagctc 60
tctacatttt ctttttctca tctcataaat ctcattcctt atgatttttt ggtggggatg 120
tgttacttac ggactcgag 139

<210> 1027

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (42)

<220>

<221> unsure

<222> (56)..(57)

<220>

<221> unsure

<222> (61)

<220>

<221> unsure

<222> (64)

<400> 1027

gaattcgagg ccgcgtcgac caaataccct ggttggtctg tnacaagaaa gaattnnnggc 60
ntanctcaga tacaaaagtg gaaaaagaaa cggctataat ccagggggaa gactttctat 120
ttcttagtct gtctctgtc ccaaataget cagctctctt caccctaaact cgag 174

<210> 1028

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1028

gaattcgagg ccgcgtcgac gtatatgtta attgagacaa gcagggttgta aaatgacctt 60
ctcttcccat tcttctcatg ttgtctctaa aaaagatata cttcttttct tctttttttc 120
ttttcttttt ttgagatag acagactctc tctgcccacc agactcgag 169

<210> 1029

<211> 265

<212> DNA

<213> Homo sapiens

<400> 1029

gaattcgagg ccgcgtcgac gagtcttttag agttttctag gtgaacgata atatcatcca 60
tcagcaaaaca gtgagtttga ctctctctct aatgatttgg atgcccctta tttctttctc 120
ttgtctgatt gctctggcta ggacttccag tactatgttg aagaggagtg gtgacagtgg 180
gcactcttgt ctagtctcag ttctcagagg gaatgctttc aacttttccc catteagtat 240
tttgttggtt gcaggccatc tcgag 265

<210> 1030
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 1030
 gaattcgcgg ccgcgtcgac ctgagtcgtc taaaattctg cattacagtt gcgattattt 60
 tcctttgata ttacaatttt gatttatgtt tttataaca cttgtatttt tccttattac 120
 cacatcaata tatattcatt gtggaaaact atgtaaaaat gcagaaaaga atacattaaa 180
 aaataaaaaac tcctgcattt tactccttac tgatactctc gag 223

<210> 1031
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 1031
 gaattcgcgg ccgcgtcgaca aagcttctga gtcacccaaa caaggatttc agtgragatt 60
 ttgtctttct tgaacttaaa gaaacaaatg acaaagtttg aatggaaaag cctgctgttg 120
 ttccccacgc tcgag 135

<210> 1032
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1032
 gaattcgcgg ccgcgtcgac cccggctttt cttggagccc aagagttttc tgagtgtgca 60
 gagaaccctt ctatcatgaa gactttattt agagtcgggc tagggttgtt actgccttta 120
 ccaggcttcg tatcccttc ctctgtgtct ggcctacctt ctacagtttc tggccactta 180
 ctcgag 186

<210> 1033
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1033
 gaattcgcgg ccgcgtcgac gaaaaaaaaa gtgccttttg ctgctttaaa gaattggggg 60
 atatgggatg aagcagccat gtaactgtat tttcctgggc tttcctgggc actcttctct 120
 cttggcagat gttttcttaa agtgaacaca ccagaagcgc tcgag 165

<210> 1034
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 1034
 gaattcgcgg ccgcgtcgac ctttgatcca tggaaacatt ttataaaata atttccaaaa 60
 taatttcttg gaaatctgga attgtagtct gtagcaaatg gggattattt attaatctaa 120
 tttaatctaa tttatgagat cagagctctg gtatgttgcg ttggctgggc tcgaactcct 180
 aggcttgagt gatccttctg cctcagcctc tctagtggct ggaactgtaa gtgcacacca 240
 ccatggcaca aatctcgag 259

<210> 1035
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 1035

```

gaattcgagg cgcgctcgac attatttgcg gtccttttga attcatttgc ctttttcaga 60
ttgtggggca tttgcctggc aatactaaca ataataata atatacagca gggataaaga 120
cacagataaa ttgcattgaa aaaggatggc ggggggatcc attctctggc gtgtatttcg 180
ctgccttgcg gtccttatcc tcgag                                     205

```

<210> 1036

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1036

```

gaattcgagg cgcgctcgac ctgtttgtgg tgagggtgaa ttatgtgtgc ttttcctagc 60
ttagtgtgtg cgttctttct ttttgtttct gagaatgcgc tgttgagggg gtttttggag 120
aaaacgggtg gggtgggagg ttgtagtact tcaaacaag gtgaactcga g          171

```

<210> 1037

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1037

```

gaattcgagg cgcgctcgac ccgttttccc acttcaacag ttacttcagg tttaaagtcg 60
tttttatctc tgtaacctgg tgacataaag ccaggaacat tttcccacaa tccaccttag 120
cataaaacat aacaatttca ttcatacagt gttattgtgc agaaccaatg aacatgttgg 180
tcatttgcgc gtatttagtc tttatttcta ttgctatatt tgagcattcc aagattgcag 240
agggtctcga g          251

```

<210> 1038

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1038

```

gaattcgagg cgcgctcgac cccatatatc acaagcaata tgggaagaat aaaaaaagta 60
aacctattat tattatattt gagatatggc ctctctcacc caggctggaa tgcagtggcg 120
caatcacagc tcaatgcagc ctcaatctcc aagctcgag          159

```

<210> 1039

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1039

```

gaattcgagg cgcgctcgac cttaaatttt tgcataatta ttgcataatc ttgagacaa 60
caaaaatttg ctttttttta gttttttttt tgttgttggg atctaaaaga ttcttatatg 120
taaatacaaa tattacagag aaagtgaata tgatagccaa aatgtggatt atgaggatac 180
cactcgag          188

```

<210> 1040

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1040

```

gaattcgagg cgcgctcgac taaataaata aattaattaa ttaataaagt aataataata 60
ataaagccca gcttgggtgg tgtgctgtag gtatgatatt atgttcaagg ctctgtctct 120
tcttgacctc cgaactgttg tcataaaata attcattcat acactaaacc atttgatatg 180
tatttactga atccctact cctcgag          207

```

<210> 1041

<211> 177
 <212> DNA
 <213> Homo sapiens

<400> 1041
 gaattcgagg ccgcgtcgac acccctcacc cccaacccct caaccttata ttaccttgaa 60
 attccaccga tgctatatcc ggggttctgt gcaactttca agtgggtatt atttccgtta 120
 gctttggagg aatattcttg tgatcacgca atcaaccatc atgatagaaa cctcgag 177

<210> 1042
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 1042
 gaattcgagg ccgcgtcgac ccactttttg gagagtagca aatctagctt ttttgtacag 60
 acttagaaat tatctaaaga ttccatcttt ttacctcata tttcttagga atttaattgt 120
 tatatgttgt ctttttttcc tatgtctttt ggtcgaagca acgtcgctcg ag 172

<210> 1043
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 1043
 gaattcgagg ccgcgtcgac cagtcaggcg ctgtggctca cgcctgtgat ccagcactt 60
 tgggagggcg aggtgggcag atcgccctgg gtcgggagtt tgagaccagc ctgaccgaca 120
 tggagaaacc catctctgct aaaaatgcaa aattggccgg gtgtggtggc atgtgcctgt 180
 ggtcccggct actcgggagg ctgaggcggg aggatcgctt gaacctgggg ggcggagggt 240
 gaggtgggca gatcgccctg ggtcgggagt ttgagaccag cctgaccgac atggagaaac 300
 ccactctctc taaaaatgca aaattggccg ggtgtggtgg catgtgcctg tggccccggc 360
 tactagggag tgcctcgag 378

<210> 1044
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1044
 gaattcgagg ccgcgtcgac cgttcgattg agttggggtg gaactctggc gtctttctcag 60
 gtgggtaaaag gaaccagcgc ttacgaccgt agatcaactt tgagtaccgg ggtccatgcc 120
 agtggaaagg cacccccag ccagctcctg cgattccaaa gctgtaagct ggagcgggtc 180
 ccagcaggcc aaatgggggt ggggagtagt gccgaaagag agaggccac tcggtgaagt 240
 tgttgctccc gaagaagtag aggggtgtcat tgcacaggga ggtgggggtc tgggggtgca 300
 gcagctgtct cacatactcc tgggaaggga agtccacttt gtggtaggag taggtgttgg 360
 cgggtgtctc cgggaaccct ctgtccccc aaagaagccag caacctgtcg cgggagcaca 420
 gggccccgaa cctcgag 437

<210> 1045
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 1045
 gaattcgagg ccgcgtcgac ggggggattc ttggcgccat tgtgtgcctg gggcgtctcg 60
 tacaccgct agcccaggcg cagtcggcag taggggtcca tgcgggtcat gccgtaattc 120
 ttggccaaat ttgctgttac caccgtgatg ttcatcgagg ccacgggtgc cactgcgcct 180
 ccgtactgca gctgtcgggc cgcctggggc ttcagctgga cctgcccgtg ctgctgtgtg 240
 ggcgtgatgc ggaggaagtc ctgcccggag tcaccgatgt acaccggccc gcgctgagtg 300
 ctgacgggtg tgcctatgt gctgcggcgg ccccggtggc tgcgcgacc gacagtgaag 360

cgccggggcga cctcctgggc ccccgccgga gactgcgacg gagacagttg tcacctcgag 420

<210> 1046

<211> 424

<212> DNA

<213> Homo sapiens

<400> 1046

gaattcgagg ccgcgtcgac tgctgctcta agtgggtattt taaggatgct gactgcgtgc 60
 cggcatagtc acagtgcgga cacttgtagg gtttctcacc tgaggaggat ggcgaggagg 120
 ggtgccccgt gtctcctctg gcactcccgg tctgggagag gccgcctccg accccgctct 180
 cctcgggtgac gtttagaggag cccggcgtgg tggagcggct caccgactgg gactcctggt 240
 cactgcccga gccacgccgc tcattccagg ccacgtgcag cccatcctcc tcgcccttgc 300
 ggtcccgtct gtggacacgg gagtgcacga ccacctgggt gtaagtgcgg aacacccggc 360
 cgcagtcggg gcactcgggt ggcttctctt tcattgtccc aggacctgc aggttatact 420
 cgag 424

<210> 1047

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (251)

<400> 1047

gaattcgagg ccgcgtcgac gggggaaaca agcctcccgg gtcttgcagt agccccacga 60
 ggagcccagg atggctgggg caggatggag cagcagagat gaaggagtg ggtgggttcc 120
 ctgctcacag gtgaggtgag ctatgctggg ctgggtgatg aaccagatgg gaggaggtgg 180
 tgagacaggg ggagagccag gtgccaggga tagctgctcc ctgttctggc accagcaatg 240
 agaaaataaa nacaccacag agtgtggcag caatcgtctg gggagggaca cacttgggtg 300
 tgcgggacag tggggcagtg ggggttcaag tgttcagggt ggacacacac cacttttgag 360
 atgactacga aagacccaag ggtgggcgtt aaataggggg ctggatatac aggtctggag 420
 ctgagcagga cgcgccagga aggaatggg agatgataga atgggaattt tctcgag 477

<210> 1048

<211> 192

<212> DNA

<213> Homo sapiens

<400> 1048

gaattcgagg ccgcgtcgac catgaaccca atccggagaa ggttccagcg ggtccccac 60
 cctcccctcc tctcctact tctcctcttg acagcgagga caggaggggg acaaggggac 120
 acctgggcag accgcgggc tctccccca cccaccccg cccctcacat catactccaa 180
 ccuuacctcg ag 192

<210> 1049

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1049

gaattcgagg ccgcgtcgac gtttctctct tcgatataata tgtctctggt tttctctggt 60
 tctacctctt tctctctcca ctgttctctt ctgtctctat ctttctctct ctttctctct 120
 attcctgaca tctcagatgc catggggggc cctgtgctgg ggcgcacagg agagccacct 180
 ggagccacgc ctgtgtctcc ggctttgggg agggctcggg ggttggtgag tgcacgggtg 240
 gcgtgtctcc acgcgcctcg ggccacgca ctcccgggtg ctgggatttg gctggcaqta 300
 ccttgcctcg cccgcgggt cgcgcctcc gccaccagcg atcgttggg agaggggtac 360
 ctcgag 366

<210> 1050
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (104)

<400> 1050
 gaattcgcgg ccgcgtcgac atccccgaac cccgctttcc ggcccccggg gaccgcccggc 60
 aactgttggt gctgccgcac tgctcccgcc gggctgtagc tgancgcgga gcccggtggg 120
 gccggtgagt ttgagttcct gagatctagt tggtagagaa catgatgttc taccggttgc 180
 tgtcgattgt tggaagacaa agagccagcc caggatggca gaactgggtc tctgcaagaa 240
 acagcgcac agctgccgag gcgcgttcca tggccctgcc caccagggca caggtaggtc 300
 tctgtggagg tggaatcacg ggcacttctg tggcccatca ccaatccaaa atgggggtgga 360
 aggatattgt ccttttggag cagggcaggg tggctgctgg ctctaccagg ttctgtgctg 420
 gcatcctgag cactgccagg cacttgacca ttgagcagaa gatggcagac tactcaaaca 480
 aactctacca tcagtttagag caagaaacag ggatccgaac agggtaacac tcgag 535

<210> 1051
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 1051
 gaattcgcgg ccgcgtcgac cacagacact gtgggtgaact tccttatccg cgtggcctgt 60
 cagggttaat acaacaccaa cacagcgggg tcccttgggg aggtgctctc tcgcccgtgt 120
 gtgaaccttc tgaagactgc gttgcggcca gacatgtggc ccaagtcgga actcaagctg 180
 cagtgggttc acaagctgct gatgactgtg gagcagccaa accaagtga ctatgggaat 240
 atctgcacgg gcctagaagt gctgagcttc ctgctaactg tctccagtc cccaggcctc 300
 gag 303

<210> 1052
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (286)

<400> 1052
 gaattcgcgg ccgcgtcgac tgatgaagaa gcacaaggct gccgtggctc aggcctcccg 60
 ggacctggct cagataaatg atctccaagc tcagctagaa gaagccaaca aagagaagca 120
 ggagctgcag gagaagctac aagccctcca gagccaggtg gaggctcttg agcagtcctc 180
 ggtggacaag tccctgggtg gcaggcagga agctaagata cgggagctgg agacacgcct 240
 ggagtttgaa aggaacgcaa gtgauacggc tggagagcct ggctanccgt ctcaaggaaa 300
 acatggagaa gctgactgag gagcgggac agcgcattgc agccgagaa cgggaqaagg 360
 aacagaacaa gcggctacag aggcagctcc gggacaccaa ggaggagatg ggcgagcttg 420
 ccaggaagga ggcgagggcg agccqcaaga agcacqaact ggagatggat ctagaaagcc 480
 tggagggtgc taaccagagc ctgcaggctg acctaaagtc ggcattcctc gag 533

<210> 1053
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure

<222> (511)

<400> 1053

```

gaattcgcg cgcgctcgac cgcggccgcg tcgactcccc aaggaaaatc ttttcagctt 60
ccagacagca accacaacta tgcaagccat ctccgtgttc aggggctacg cggagaggaa 120
gcgcgggaaa cgggagaatg attccgcgtc tgtaatccag aggaacttcc gcaaacacct 180
gcgcattggtc ggcagccgga ggggtgaaggc ccagacgttc gctgagcggc gcgagcggag 240
cttcagccgg tcctggagcg accccacccc catgaaagcc gacacttccc acgactcccc 300
agacagcagt gacctgcaga gctcccactg cacgctggac gaggccttcg aggacctgga 360
ctgggacact gagaagggcc tggaggctgt ggcttgcgac accgaaggct tcgtgccacc 420
aaaggtcatg ctcatcttct ccaaggtgcc caaggctgag tacatcccca ctatcatccg 480
cgggatgac cctccatca tccccatcct nctacgacca tgaagctcga g 531

```

<210> 1054

<211> 454

<212> DNA

<213> Homo sapiens

<400> 1054

```

gaattcgcg cgcgctcgac ggcgcttgcc tgtaatccca gctcctcagg gggttgagac 60
aggagaatcg cttgaacctg ggaggtggag gctgcagtga gctgagatcg cggcactgca 120
ccccagcctg ggctacagag tgagacttgg tctcaaaaaa aaaaacaaaa acaaataaac 180
aaacaaaaaa caacaacaaa aaacacctg ggtactattc catcaaatga aggtactgtg 240
agttatctaa tcagttccct gttgaggggc attttgattg tttcatgtcc tttactctta 300
ggaacagtga tgcagtgaat atcctgggtg atatttaata gacgttctct gagttgacct 360
tgcctggatg gagatgcatg gataatagac gctctgtgtt tctgctgccc attatactcc 420
aaacacttgc agcctgtgct tcagtgcgct cgag 454

```

<210> 1055

<211> 435

<212> DNA

<213> Homo sapiens

<400> 1055

```

gaattcgcg cgcgctcgac cgcggccgcg cgcggccgcg tcccagagggg tcccagcctg 60
gcgggtgaaa gggcactggc ggttccccgt gaggcagatg ctccatgcgc ggctcctggg 120
ggctcctccc tttgcgcagg cgaggaaacg ggcttggggg tcaggaagca gccccaaqcc 180
cgcttgggga ggtgacatca ccagggtcta ccttccacaa acacatttaa caacagacaa 240
aacgtgaacg aggagaaact ggagtgagcg tttgaaccag ccacagtctc tacgtgtcat 300
ccaaggagcc cggcacagac cccgtgtcac ccccatgtca cccgcagacc ccgcgtcacc 360
catagatagc cacaccccgt gtcaccccca tgtcacccgc gtgtcaccca cagataacg 420
gcccccgta ctcgag 435

```

<210> 1056

<211> 540

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (20)

<220>

<221> unsure

<222> (134) .. (135)

<400> 1056

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gaattcgcg cgcgctcgac tgggcgtggt ggcattgggc tgtaatccag gctactcggg 60
agggtgagac aggagaattg cttgtacccg ggaggaagag gttgcaatga gtgagatcaa 120
gctgctgca cctnnctggt gcgagagagc gagaatttgc ctcaaaaaac aacaaaacaa 180

```

```

acaaacacta tggtttctgt cctggtaatt ctctctctca aatcacttgc tctggaggaa 240
tcaagctatc atgttgagaa cagcctaatt cagaggcctt catagtgagg aactgaaacc 300
tcttaccaat aaccatgtga tgattttagt gcaaatcctt caattcaaat caagctttca 360
gatgactact atcttagcca gtaccttacc tgc aaactca agagggaccc taagccagaa 420
tcaaacaact atgctcttga tctctgaccc tcggaaactgt gaaataacat ttgttgtttt 480
aaatcgctaa gtttaagggg ttgttacgca ctgatagata atacaggacc actactcgag 540

```

<210> 1057

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1057

```

gaattcgagg ccgcgtcgac agggaaacata tctttttttc agagcctctg tgtgctgggt 60
tactgtatac ttcctttgac agtagcaatg ctgatttgcc ggctgggtact tttggctgat 120
ccaggacctg taaacttcat ggttcgggtt tttgtggtga ttgtgatgtt tgcctgggtc 180
atagttgctt ccacagcttt ccttgcctga agccagcctc caaacccgag agccctagct 240
gtttatcctg ttttctgtt ttactttgtc atcagttgga tgattctcac ctttactcct 300
cagttaatca ggaatgggaa attaaaaacc agtgaattga aagcacatct gaaagatgca 360
attcaccatg gagctttgtc tctggccctt atttgcctaa ttttggagggt atttgataac 420
tgagtaggtg aggagattaa aaggagacca tatagcactg tcacccctta tttgaggaac 480
tgatgtttga aaggctgttc tttctctctc taatgtcatt tctttaaaaa tacatgtgca 540
tactacacac agtatataat gctcctttaa ggcatgatgg agtcaccgtg gtccatttgg 600
gtgacaacca gtgacttggg aagcacatag atacatctta caagttgaat agagttgata 660
actattttca gttttgagaa taccagttca ggcagagctc gag 703

```

<210> 1058

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1058

```

gaattcgagg ccgcgtcgac cctgtctctc aaacaaaaaa ccttccttta atcttacatc 60
agatgtgtgg gtttttaaaa ttatttatgt gttttattta ttttatttta ttgagacgga 120
gtcttgcctt gttgcctggg ctggagggca gtggcatgat ctcggctcac tgcaacctct 180
gcctcccatg ttcgagcggg tctctgcct cagcctccca agtagctggg attacaggtg 240
cccgccacca caccgaactc gag 263

```

<210> 1059

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1059

```

gaattcgagg ccgcgtcgac ccagcatctc tcaacagtct cagctcgtct attcttaaga 60
tgtcagctta aatgttatct cttcagaggc ccccatgttc tctcttgcaa tggcctgttc 120
tattccatta ggggaacttg ccataatagg catatttgtg taaaagttcc atgagagcag 180
aggttttgtt tcttttatcc ctccatacac agcaactgga acaatacaat gcatagagta 240
aacatgcaac agataacctg aaggaaatgt gtttcatgcc ttcattcctt cctatacatt 300
attgctctcc ctgag 316

```

<210> 1060

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (27) (29)

<400> 1060

```

gaattcgcg cgcgctcgac ttgaatnna gacatgcctg ctcaccccc actgcactaa 60
cctaaataat ccttgattat tttctttttc tcttgctact accaaattct gttcttgagt 120
gaggaagcag cttgggttaa aaacaaaagc cctgatatgt atatatattt ttttctga 180
agaataccat caggatgaag gctatgatta atacacataa ttgctacaaa tggcagctaa 240
ctgcagaaaa ccacctccca gctgttgagg gaaggaaatt gctgacagcc actccccatt 300
gggtggctac caaaagagag gagctcacag gagcaggaga gaatacacat ctcacccca 360
cgtgaccat agagatgacc cattaggctc gag                                     393

```

<210> 1061

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1061

```

gaattcgcg cgcgctcgac gctaaacgga ctgtttttat tgtagtaaaa gagctttgta 60
aattaacca ttaattttta agccctaaat aagcttttct gtgcatttga gatctagaag 120
atacagcttt attaatctga tctaaatttc tgaagggggc ttgtatttct gtaatcagt 180
atatcagtag tcaactgttg gcaaagggca ttttttaaaa gaaatgcaca tagcaggctt 240
tctcgag                                     247

```

<210> 1062

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1062

```

gaattcgcg cgcgctcgac aaaatagccc tggaagtgtg gccttcagct cctctacca 60
cagctgacta aaaacattgg caagtctgtc acctaggctg ttgtcacccg aatataaatg 120
agaccatttt ctggccagaa aacttcagct atcacagctc acattgtgat gagttgctt 180
gctgtttttc caagcaaaag aaggtgcatg gtctcatgta tttccccca acacctcgag 240

```

<210> 1063

<211> 429

<212> DNA

<213> Homo sapiens

<400> 1063

```

gaattcgcg cgcgctcgac gtgggagcgg aggtagggga gctcagaggc aggaagcatt 60
ttcggcaaac cactgcagag taggcattgc atccctccca ccagcactgg gggagcccaa 120
tgccaccac ggacaagggg tgccagacac ttgaactagc agccaaggaa gtccctacca 180
tctcatgatg aggagcataa aggtgggtgt atgtgcaact gcctagaggc agataaataa 240
atgtgaaggc aaagtgggac aaggaagcaa gaggtggaaa agaccaacaa aattcaacta 300
acttccctcc ccagtccaca actatgctaa ccccttctgc cactgggcca actgcagaga 360
taaaaatgcc agtgaactac tccaggttgg gctcttgagg ctgccacaag cctgatactc 420
agcctcgag                                     429

```

<210> 1064

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1064

```

gaattcgcg cgcgctcgac gaattggatg cataccatag acgaacgagg cggagactat 60
tgccgggaac ttactgttca ggagctgttc ctagaactaa ctccttact gtcattgatg 120
tgcatccac tctgtgctt tctgtacaac cattcaagtt ttaatttccc aggtgaacca 180
tctttatctg ccattaccac aagcctcgag                                     210

```

<210> 1065

<211> 262

<212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (138)

<400> 1065
 gaagaaaatg aagcacctgt ggttcctcct cctgctgggtg gcggctccct tacgggtcct 60
 gtcccagggtg cagctgtatg agtcggggccc agggctgatg aagccctccg agaccctgtc 120
 cctcacctgc ggtgtctntg gtggctccct cagtgggtgt gccgacttct ggggctgggt 180
 ccgccaggcc cccgggaagg ggcttgagt gattggcaat atgcaccatc gtggaaatgc 240
 ccattacaat ccgtccctcg ag 262

<210> 1066
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 1066
 gaattcgagg ccgcgtcgac ggaccggcgg cgtgttggtg gcgttctaga ccttgaacga 60
 cggcgggtta ctggtggcgt tctggatctg gategccttc tgcctactgg ggatgctctt 120
 gaccgggac ttcgtcgagt cactgaagtc ctggaccttg accgtctccg gctgactggg 180
 gaagtccgag atctggacct acgtcggctt atcagggggg ttctggacct ggatcgccgg 240
 tgagtggctg gagaggctcg ag 262

<210> 1067
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 1067
 gaattcgagg ccgcgtcgac cgtcgattga attctagacc tgcctcgagt tctcaattct 60
 gttacaatt taaaatttca ttaattgtgt ttaatatcaa tgaattctaa aaggctcttc 120
 gag 123

<210> 1068
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1068
 gaattcgagg ccgcgtcgac ggggttctgt ttccatacaa cattgtttat ttcgattcc 60
 tcagaagatc ctttattatg aataacctca gtgtaatgtt aatttcccg ccccatgtca 120
 aaattgtcac cctaaacctt tttttttttt tttttttttt ggagacgggc tcaactctgc 180
 agccacgctg gagtgcagtg acatgatctt gactcatggc aggccttgacc tcttgggctc 240
 aaggaccacc tccaagcac tcgag 265

<210> 1069
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1069
 gaattcgagg ccgcgtcgac gattgtagat attggggcgt taattgtcag ttcagtgttt 60
 taatttgacg caggcttatg cggaggagaa tgttttcctg ttaacttatac taacattagt 120
 tttctatatg ggtgalagat tggctcactc gag 153

<210> 1070
 <211> 563

<212> DNA

<213> Homo sapiens

<400> 1070

```

gaattcgagg cgcggtcgac agggcacttc ctctaagtaa acacaaatat ttctgtagtg 60
aactgtatgc atattcccac tgagtaaagg ttataagaag cctcagggtca ggtcttacca 120
ccaaacttga aaacacttgg aatgcagctg ggcagggact tgagcagggt ttgtcttgat 180
aagcaggtaa gaatggcaga aactggctt attgtcaacc aatgtttttt tatatacctg 240
aagtattcat tgaattctag acctgcctcg agtatgggga gatgggaaaa ggcagggttag 300
gggcacgcag gctcaggga cagggtcttg gtgggtggat ggatagccat ggaggcagaa 360
agaggcctct gcaggaagaa cctgggagag cggagaggag gtggtgaggg aggggagcac 420
tatggaatgg cctgaggcc aggaggggct caggatgacc aggcaaaagc acagctggtc 480
caggatggag gggaggcctg cacagcatga gcaggaggct agaggagaca gaccatgagg 540
ccctgggaga cccctcactc gag 563

```

<210> 1071

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1071

```

gaattcgagg cgcggtcgac gtcgatgcct tctagtctca gtgaatttaa cctgtgattt 60
tatgtctacg tatattgttc ctttactgaa cccaccacat gcgggccata aaatgagtga 120
aatcacagtg caccctgttc tcttattttt gaagtgtttc acgatttcca gcatgtccat 180
cagatggggg gattgctaac ttctctctta ctcattgtact tacattctgt agttctcatt 240
gcacacttt ggatgtttac ttgaaaagc agaaactgtc tctttaaact tggccctcaa 300
tgtcatttgc gtatctctga gaacaatagc tatgtcccac cccagtttgt atttccgttg 360
gttgttggca cttttttctc attcccccat ctcattacct tgtctgtttt ctggcaacta 420
ctataatcag ccttgcacta gagctgtttg tggacttggc ttcacccccct cctcctcagc 480
cctccccac ccattaaatt gcgagctcga g 511

```

<210> 1072

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1072

```

gaattcgagg cgcggtcgac agggcactga gagtagtggg aacgtgggtat gagatcagg 60
tggaagggtg aatgaaqatt gaaaaaaaaa agacggcaaa tagagtagat gctgctagac 120
caattaggaa acttctagtt caggcaagag ataatgatag cataggctga ggacaggtgt 180
tggtgatggg gatgcaaaga gcgttaggat tctgagatat ttggcaggta ctgttgatag 240
gtggagtggg ggtagaagag aaagatcatg agtttgactt tagatatgtt aagtttgatc 300
taccttgaag acatccaaga gaagacaccg ggactcgag 339

```

<210> 1073

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1073

```

gaattcgagg cgcggtcgac ttgatattt tattccattt ttttcagttt tctttgcctt 60
tgctcttcaa ttttgaaagt ttctattgac acatcttcaa gctcagagac tctgcttagc 120
catgtccggg ctactaatga gccatcaaaa agcattcttc acctctgtca cagtattttg 180
ctctgtatca tttctttttt attcttctct agaacttccg ctcgag 226

```

<210> 1074

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1074

```

gaattcgcgg ccgcgtcgac gcagatgtcc atttcaacag gcttaagtgc aaccatgaat 60
ggaatcatcg aatctttgat tcttcttgga ataataagta ttcattctgt tgtaagaaac 120
ctggctgttt tatgcttggg atgctgtgga ctacagaatc aggattttgc aaggaaacac 180
ctcgag                                     186

```

<210> 1075

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1075

```

gaattcgcgg ccgcgtcgac ggtagggatc caccacatat atttataggc ttccagagtg 60
gcttagccat ttgaaacca gtcatttctt atttggcatg cttctagctt taacaattaa 120
ccttcttaca ttaatacatg ctttgaatcc agagagtatc tgctgctttg gatctgaaat 180
ggactggcag atctgcggag ctacagcaga gaaaaaatac tggggagaaat taaaagtctt 240
ccctata                                     247

```

<210> 1076

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1076

```

gaattcgcgg ccgcgtcgac atacctccat ttgcaaacaa aatttcattc ccacttcttg 60
agtccatcca gagtgtgtct ccaaccttcc tctgtctctt gctaaatatt accgtctctg 120
tggtacattc ctattggcat actaactgct gctatttctt ccattcttga aacaggaata 180
acaaattaac ttatcatgat tctacttccc caaatactcg ag                                     222

```

<210> 1077

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1077

```

gaattcgcgg ccgcgtcgac ggtaaagggtg aagtcagctt tttctagctt acagtctctg 60
catccagttc ctgagctaaa ataggcgcta cagttctgat tttggctttg tcatttgagt 120
ctctggctct tttctgtatg ggtcaagcta gaaggggaca actcgag                                     167

```

<210> 1078

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1078

```

gaattcgcgg ccgcgtcgac atatatattgt atttttgtat gctttggaaa aagacaggaa 60
ataaacacca aaatgttgc agtaggtatc tctgtgttaa gattagtgtt attattttct 120
tttctgtact tttctgtatt tcccaactgt tatataatga gcgactcgag                                     170

```

<210> 1079

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1079

```

gaattcgcgg ccgcgtcgac ctaatgcata acagcattct ttgaaatgga accagacaca 60
gcctgcctct caatctcag ctgggggctc ctagcagcct ctgtattta cttagagttg 120
acacatcaca cagatctgt ttggcattcc taacctacgg acgtctcagg ggtgacagga 180
ccagggcaga gccccggtac aaacagacaa ggtgtcaatc tcgag                                     225

```

<210> 1080

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1080

```

gaattcgcg cgcgctcgac cgcattgtcca gtgggctggg aagcaagcac ttgaagagaa 60
ggaagggggag aaaggggtccc ccttgcctgac tgcctctgag gaatggaaat ccttttagacc 120
cggccttttt tggaccaata taaattttaat tttaaattgac agccttccat ttttcgagaa 180
agtacaaaca gaactgcttt agcaccact cgag 214

```

<210> 1081

<211> 102

<212> DNA

<213> Homo sapiens

<400> 1081

```

gaattcgcg cgcgctcgac gtgggtgtct tacaatactg tgccttttct cctcattaac 60
ataatgcata tgagagtact tctccttcag catgttctcg ag 102

```

<210> 1082

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1082

```

gaattcgcg cgcgctcgac agccaatata tttcatttta aagcaagcaa taaaaactta 60
tttgcctggt taatattttt attgacttta aaaagacttt gaacttagtg aaagagaatc 120
agtcacctag aaatgtactg ctctcatcta gctgggaagg tcattgtaat tttcttctat 180
atagatttgt ttgtctctaga taagcggctc aatttgaata gatttttagt ggtagaaaga 240
gatgacggaa gcacattaat ggaacaactc gag 273

```

<210> 1083

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1083

```

gaaattcgcg gccgctcgca ccctaaaccg tcgattgaat tctagacctg cctgctttcc 60
tgcctgcccc acctgctca tattgtgtgg gccctttttt gtttggttca ttcattgttt 120
tttttttttt aattatttta aatgagattt ttgttttttt taaatgcaat atctctgtat 180
acagaactggc tgggccccac cccctgcgtg tggccctccc acagtatttt gtgcaatgaa 240
gccctgctcc cagccactct cgag 264

```

<210> 1084

<211> 383

<212> DNA

<213> Homo sapiens

<400> 1084

```

gaattcgcg cgcgctcgac caacagccag ttggcctcg tggacatccc tgtggagtcc 60
aagctgggtc ttgcccaggt cctgtctctg gaattctgac tggcgtctcc ggcgacccg 120
gtcctgcagt tcttctctggg gaccccgag ctgaaagtgc ctctctgaga tggcagtgtc 180
ggtaaccact gccacccctg gctgcccgtg ggggggaacc ccaacagggc cccgggaggg 240
aaccctgccc ccaacccccc acagcaaggc tgtacagtct cgcctctgga agactgagct 300
gggaccccca cagccatccg ctggccttggc cagcagaacc agccccaagc cagcaacttt 360
ggtaataaaa gcagcaactc gag 383

```

<210> 1085

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1085

```

gaattcgagg ccgcgtcgac ctttgagatt gtcacttctg tacataaacc acctttgtga 60
ggctctttct ataaatacat attgtttaaa aaaaagcaag aaaaaagga aaacaaagga 120
aaatatcccc aaagtgtgtt tctagatttg tggctttaag aaaaacaaaa caaaacaaac 180
acattgtttt tctcagaacc aggattctct gagaggtcag agcatctcgc tgtttttttg 240
ttgttgtttt aaaatattat gatttggcta cttgcactcg ag 282

```

<210> 1086

<211> 184

<212> DNA

<213> Homo sapiens

<400> 1086

```

gaattcgagg ccgcgtcgac cctgtttatt agaaagtga gagaggatga ttatgttctt 60
tcattctctc agtgtcttag tactccctac acctgcgcta tgttatgacc tacctttgcg 120
atctgccagt tttggggcta gcttaagtga gaattcatat tctgtttcac tggaaatcact 180
cgag 184

```

<210> 1087

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1087

```

gaattcgagg ccgcgtcgac gtgagtcacc atgcccggct attgctttct tatattgaca 60
gtgggtttgt actctctcta tgtcctacgg cactgccatc agatgggtggg aaattatgac 120
aggttgtttg tgggtatcct gtagctaagt aatacctagc gaggaatca ggattagaaa 180
ataactcgag 190

```

<210> 1088

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1088

```

gaattcgagg ccgcgtcgac caaataataa aattgttcaa caggaagctt tcttgcccag 60
gtttctccac caaatccata atgctgatgt cctttgccca tatgtctgag 110

```

<210> 1089

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1089

```

gaattcgagg ccgcgtcgac ctgtaataag cattataatt cctgtttctta aaataataag 60
ttcatttaag gaaaaggggg tgaaaggaaa aatctgcaga atttaggtct gagataatac 120
catttcaaag cactgtgata caaattactt atatatgtta tatactgtgt gtgtgttaac 180
tacttttatt tgggggcttg ttttgcatac atgtgaaggt ctgag 226

```

<210> 1090

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1090

```

gaattcgagg ccgcgtcgac ggcaggataa aacaacataa aaaatataaa acaatttttg 60
ctttgaaaaa tacagtgcag gtgaccattt actgcttatt ctgtaatcct tactgtctat 120
aattaacttc agtaaacctg aaatttgatg aaaagtttta aaaaattatt tactgtaggg 180

```

acaaagttat atggaatgtt gttattttct atactatctg aatgcactgc cagtgaagac 240
 tgtaaagaca gaacacaaac actcgag 267

<210> 1091
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1091
 gaattcgagg ccgcgtcgac gtcattttgc tctttccccc ctgggtgaaa atcattccct 60
 ttttatcccg tggcatatat atgtttgcct ttataaatta ggatcaattt ttgtatgttt 120
 aggcagtcac ttttactttg cgtttttcta ttctgtttta aaagcattta tggccaaaaa 180
 ctcgag 186

<210> 1092
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 1092
 gaattcgagg ccgcgtcgac gtgggtctact cgtggataag ttcaaactaa atggatggga 60
 aaaaatataa catcctaaca ttcataaagg aaagctgaag tggttacatt agaacaagca 120
 atgttgctaa ggataagatg agacatttca taatgataaa tgggtgaatt catcaagaaa 180
 acagttctaa acaggtgtgt acctaatcac agtttcaaaa tacatgaagt aaaatctgct 240
 ctcatgaaa ggaaaaatat ataaaatcaa aatctactcg ag 282

<210> 1093
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 1093
 gaattcgagg ccgcgtcgac gccttctatt gtgctttgtt ttgtctgact tttctgcacc 60
 ctgtttccct tggatattca gttctctcaa cctcaagatt gagacgggtg tgggtatgct 120
 tctccacttc catatgacct tcatgtgtgt ctggaatata acatgctaag aggtcatcct 180
 tcacactact tgtaagccaa cactcgag 208

<210> 1094
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 1094
 gaattcgagg ccgcgtcgac ccttaattgc atccttcatt gtctttctgg cttctcttct 60
 tctggcacaq taccattttg ggtctgtgcc ccagtgtgga gcaaaacatt gcctgtccca 120
 ttctgatata cttcagaatt tgagagcaga agttaatgtg gaacaaaagt ttccaccatc 180
 tctcgag 187

<210> 1095
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 1095
 gaattcgagg ccgcgtcgac ggcactgctt ttttttctaa cagttaagta ctgatgtcaa 60
 cagacaaata tttctgatca gatagtcctc tgtcaacagt agcaaatgtg gtttcataaa 120
 gtgggaagaa aacagcattt taaagtaact tcttgggaga ctgatttgag taataataaa 180
 actctgggtc cctttaagaa aaaaaaaccc ttcggtctga g 221

<210> 1096

<211> 241
 <212> DNA
 <213> Homo sapiens

<400> 1096
 gaattcgcgg ccgcgtcgac tataaataga tttttttgtt gaatgttaat tcagttatat 60
 attttcttctt tgatatgttc tttagttgat gcaggccagt taaaatgagt gacttcaagt 120
 ttttagagaaa tacataacaa tgtcagttta taattatatt gttttttata caatttacta 180
 ttttagaatc tcattcatat tccattgtat tcccatgaat gatactttgg gacaactcga 240
 g 241

<210> 1097
 <211> 192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (29)

<400> 1097
 gaattcgcgg ccgcgtcgac gagacacna aatccagtcg gtatctaate tggcttttgt 60
 taacttccct caggagcaga cattcatata ggtgatactg tatttcagtc ctttcttttg 120
 accccagaag ccttagactg agaagataaa atggtcaggt tgttggggaa aaaaaaagtg 180
 ctggtctctcg ag 192

<210> 1098
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1098
 gaattcgcgg ccgcgtcgac cgtcgattga attctagacc tgcctcgaga tgctccttct 60
 taactgtgtg gctctgtgc tcatggcctg catgacgtcg ctgccacctt ggttgggagg 120
 cgtctcccca ggcctctccg gccccgacat ctctctgccc tgcggctcct ataaccctcc 180
 cccactcgag 190

<210> 1099
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 1099
 gaattcgcgg ccgcgtcgac gtgtgttttg tttgtcagac tttcttgaaa gtttggagtt 60
 aatgggagat gagaaagcat attgaaagaa tactttctct ttttttaat tattattatt 120
 atactttaag ttttagggta cgagcactcg ag 152

<210> 1100
 <211> 295
 <212> DNA
 <213> Homo sapiens

<400> 1100
 gaattcgcgg ccgcgtcgac ccccgatcca ggcacctggc actcagcggg cccacctttg 60
 gtatcattgt gaagcacttc cccaagctgc tgcctcaaggc cctgggtccag ggcactgtct 120
 ttgcccgcat ggccctcgag cagaagacag agctgggtgtg cgagctacag aagcttcagt 180
 actgcgtggg catgtgcgga gacggcgcca atgactgttg ggcctgaag gcggctgatg 240
 tgggcattct gctgtcccag gcagaagcct cagtgggtct acccttcacc tcgag 295

<210> 1101

<211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (32)

<220>
 <221> unsure
 <222> (48)

<220>
 <221> unsure
 <222> (66)

<220>
 <221> unsure
 <222> (205)

<220>
 <221> unsure
 <222> (212)

<400> 1101
 gaatttcgagg ccgcgtcgac tattggagtg cnaagtgcgtg tgattgtngg tggaattgat 60
 tcaatntctc aatcttttggc ccttgcaaaa aaaccacata taataatagc aactcctggt 120
 cgactgattg accacttggg aaatacgaaa ggtttcaact tgagagctct caaataactg 180
 gtcattggatg aagccgaccg aatantgaat anggattttg agacagaggt tgacaagatc 240
 ctcaaagtga ttcttcgag 259

<210> 1102
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 1102
 gaatttcgagg ccgcgtcgac gtaaggagt aggcctcctg agtaaaggag gtgtgatttt 60
 tttttttctt gaggtgggag tatagttgga actaaataaa ctacgtgtga atttaccata 120
 tcaactaaaa ttctgatcaa atgggttttt taaattgtgt ggtacttctc gag 173

<210> 1103
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 1103
 gaatttcgagg ccgcgtcgac ggggtgggta tgcgcccaacc ctattttcagg cagcgcctcaa 60
 agtaggtgga gccgatgtag ccaccccgca tggagcgtg caggtttctgc tcaaacagcc 120
 gccggttgtt ctgcaggacc ttctgggacct ccttggttcag tgggtcctcg ggggtgggct 180
 ccaagaagag atactgcagg ccataaatta tggagtttat cgttaaggact ggcttccagt 240
 ccttcctgag gatgttgagg cagacgttgc ccttcgag 277

<210> 1104
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 1104
 gaatttcgagg ccgcgtcgac agaatacttc gactaaaata ctgttaagtg ggttaattga 60

tacaagtttc tgtggtggaa aatttatgca ggttttcacg aatccttttt tttttttttt 120
 tttttttgag acggagtctc gctctgttgc cacgctggaa tgcagtaacg tgatcttggc 180
 tcaactgcgac ctccacctct cctctcgag 208

<210> 1105
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 1105
 gaattcgcgg ccgcgtcgac gttcctctct ggcatgggtg ctcaaattga tgctaactgg 60
 aacttcctgg attttgccta ccattttaca gtatttgtct tctattttgg agccttttta 120
 ttggaagcag cagccacatc cctgcatgat ttgcattgca atacaaccat aacgctcgag 180

<210> 1106
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1106
 gaattcgcgg ccgcgtcgac gtcgacgcgg ccgcgaattc gcggcgcgct gacccaggaa 60
 aggcctgtgg ggctctctc ccgcgctcc acacgcctc gcateccacc gaggcgccag 120
 cttctgcctg cacgttgctg aaactggcct ggaggttctg acaagaatta gagcggcggc 180
 cgttgccccg gggatgacct ggaagcgaaa gagaccggca cgaattctag agtttcgggg 240
 tttccgcggg ttgagattgt acgggaaaca atgcattaac caaacctaaa aatcaaacia 300
 aactcgag 309

<210> 1107
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 1107
 gaattcgcgg ccgcgtcgac cagcattagc agaccgaaac aggaggggaag gaagtggtaa 60
 cccaactcca ttaataaacc ccttggtctg aagagctcct tatgttggaa tggtaacaaa 120
 accagcaaat gaacaatccc aggactctc aatacacaat gaagattttc caggcattac 180
 tcgag 185

<210> 1108
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 1108
 gaattcgcgg ccgcgtcgac atgtattgga tgaacgaata tacctcctcc attggaattg 60
 gagtttttca ttcaggaatt gaagtctatg gcagagaatt tgcttatggg ggccatcctt 120
 accccttttc tggaaatatt gaaatttccc caggaaatgc ttctgaacta ggagaaacat 180
 ttaaatTTaa agaagctgtt gtttttaggga gcacggactt cctagaagat gatatagaaa 240
 aaattgtaga agaactggga tcaactcgag 269

<210> 1109
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 1109
 gaattcgcgg ccgcgtcgac acctgattac tttttacact ctacaaccag gagaattttg 60
 aattttaaaaa taaatccaaa catcttccct catattatca atgcttatat attccttaga 120
 ctattgaaat ttggagaaa atgtatttgt gttcaattct cgag 164

<210> 1110
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 1110
 gaattcgcgg ccgcgtcgac gatttttaaaa tttttctttc ttaaatttct ctttcattgtt 60
 atgaattgtt tttctgattt tattgaatta tttttctgta ttatcttgta tcttattgag 120
 ggttttttgt ttgtttgttt gtttgtgaga cagagtgtca ctctgtcacc taggctggag 180
 tgcagtggcg tgatcttggc tcacaacaat ctttgccttc caagtccaag tgattctcct 240
 gccccaaacc tcgag 255

<210> 1111
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1111
 gaattcgcgg ccgcgtcgac agctcttttg cctcagaatt ttcagtagcc agtatttctg 60
 attaactaag ttgaaactct tattagaaac tttcagttgg tgatattgta ttctagaaga 120
 tataaatgag aggtttggct tcctctcagt tttagaaattt attcaaagct aaagatgtat 180
 atatacatat acttttgtgt gtatatatac acatatgtgt gtatgcagtt tgtcaggtta 240
 tatatagaat ttctattaag gattttttta atggacagct cgag 284

<210> 1112
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 1112
 gaattcgcgg ccgcgtcgac tgcaattcta atgcattcta cgttttttgaa aatcgataat 60
 ccatggaagg tccatgggtt gatacctcag gtcaaaaatg tgtttactct gttgattgct 120
 gtttcacttt acttgtatat cagatatata agctatgaac acaagtttgt agtaaaagta 180
 tttctgtctt gggcaatggc tcacacctgt aattccaaca ctttgggggg ctcagggtggg 240
 aggatttcta gtccccagga gtttgagacc agcctgggca ataaactaga ccccactctc 300
 gag 303

<210> 1113
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 1113
 gaattcgcgg ccgcgtcgac ggggcttgta atttacatga gaaccgtgct ggtcactagc 60
 gctgtctgtg tctgtctgtc ctgcgggact tctgtctctc tcgag 105

<210> 1114
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (73)

<220>
 <221> unsure
 <222> (86)

<220>

<221> unsure

<222> (104)..(105)

<400> 1114

```

gaattcgcg cgcgctcgac gagaggagac acaggaagcc cagagagcca gatcgagaca 60
agaaacaccg agnaaaaagc agcacnaggg aaaaaagaga gacnnattcc aaagagaaaa 120
gtaattcatt ctctgacaaa ggggaagaaa gacataaaga aaagcgacac aaagaagggt 180
ttcattttga tgatgagagg caccgctata ctcgag 216

```

<210> 1115

<211> 286

<212> DNA

<213> Homo sapiens

<400> 1115

```

gaattcgcg cgcgctcgac gctttctggt gattgggaac ctgatgccaa gtgcccactt 60
tgcaaagaag aaaaagttaa tgacctgct cccttggtc ctgtccatgc ttgcctggcc 120
tcctagagtt ggaggaacaa gccctctcct ggcagaggca ggagagcaag tgctctccta 180
tgatccaata catcaggcgg gagtgtgag tccgtcagga caccactcct cgcagcatca 240
agggtccagt ggggtgggtc agggcagtga gaaggggtgg ctcgag 286

```

<210> 1116

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1116

```

gaattcgcg cgcgctcgac gaagaaaata ccaagtgttc attctgtcat tagcaaggaa 60
caccaatgag gtttcttttt tttctctatt tagggcatat taaaattatc cttcagagta 120
cttgtattga aatcaagtt tatgcttctg aaaagaatcg tgggctcgag 170

```

<210> 1117

<211> 191

<212> DNA

<213> Homo sapiens

<400> 1117

```

gaattcgcg cgcgctcgac atttctcttg gaattgggct gctaacaact tttatgtatg 60
caaacaaaag cattgtaaat cagggttttc taagagaaag gtccctcaaag attcagtgtg 120
cttggttact ggtattctta gcaggatctt ctgttctttt atattacacc tttcattctc 180
agtcactcga g 191

```

<210> 1118

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1118

```

gaattcgcg cgcgctcgac gttctttctt tggaaccag ttggaaaaga acatttggtta 60
accaggggct ctgttcttat agatgcatat cagaatgate cacagtcaga actttgtggg 120
cctcttggtt atgctggaaa tttttcaaca ggcctggaaq acagcgggac tcgag 175

```

<210> 1119

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1119

```

gaattcgcg cgcgctcgac attctatagg atttcttata tacgagatta tgcggtctgt 60
gaaaagagat cgtttttatt cttctcttgg gatctggatg accttaattt ctcttctctg 120

```

cctaattgcc ctgattagaa ttccactac aatgttgagt atttgtggta agagcagata 180
 ttcttgtctt gttcctgate tctgag 205

<210> 1120
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 1120
 gaattcgagg ccgctgagac cacagacata gttctaaatg actttcagct atttctagaa 60
 attagacaca tcttcttaag cgaagggtta ccatgtttta ggttccatga aagaatgtgc 120
 cctaagttgt tgcctagccc ctggctgaga agaaacgggc gtgtgggagg cgggtgaaga 180
 gcacacaggg aggggacgga gaagctcctg agccagcctc cttcatggct cagtttcatt 240
 tcagtgcgtg gcacttccca gaagaaacga ctctgag 276

<210> 1121
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 1121
 gaattcgagg ccgctgagac ggggggtccc cctgctgagg agagaccagg tggaccccag 60
 ctgctgtgca ccttctatct gggacttgc tgcacacccct aggalagtct cataaagggg 120
 aggtctgggc agcctgctgc tgtctgcttc aggaccaggc agagagttag gctgggggtt 180
 ctacacactt actccaccgg gcacatccca acctgcactg gggcccaccc gageccttgc 240
 tctgggtctca gccgtccct tggcagctgc agcccccatg cagaagaggc tcccaggccc 300
 aagctctgtg tgaccagag aaataatgat gcactcag 339

<210> 1122
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 1122
 gaattcgagg ccgctgagac ccatacccag cctgtttaat tctttataat tcaattctgt 60
 tgtgaaaaca gcattttata ctttaagctta atgattgcaa cagtcaaaaat tatttatttt 120
 ttaaacttca cttatcattt aggaattatt tcccgcgaag gactcagag 168

<210> 1123
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 1123
 gaattcgagg ccgctgagac attcatctag catggaaggg agtgaaacag gttctcggga 60
 gggttcggat gttgcctgca ctgaaggcat ttgtaatcat gatgaacacg gtgatgactc 120
 ttgtgttcat cactgtgaag acaaagagga tgatggtagt agttgtgttg aatgtcgggc 180
 aaattctgaa gcagaactcg ag 202

<210> 1124
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 1124
 gaattcgagg ccgctgagac cattattgta aataaaacct aatattttta actatatata 60
 tcttttttaatt tagattacac caccaccttc actgtcagat ccactnaaag agcttttttcg 120
 acaacaggaa gttgtaagga tgaaactacg ttggcaaac agcatactcg ag 172

<210> 1125
 <211> 164

<212> DNA

<213> Homo sapiens

<400> 1125

```

gaattcgcg cgcgctcgac cgattgaatt ctgacctgc ctaggcacag atgctaattgc 60
aggcaactgca ggtaagctgg gcttggtatc ctccctggc ttcagaaaga agccaacaag 120
gagcgttttg cagaatgaaa cctttgtttc cacaagcact cgag 164

```

<210> 1126

<211> 563

<212> DNA

<213> Homo sapiens

<400> 1126

```

gaattcgcg cgcgctcgac atttggatc tgggaattac tgcattgaa ctagccaagg 60
gagagccacc taactccgat atgcaccaca tgagagttct gtttcttatt cccaaaaaca 120
atcctccaac tcttgttgga gactttacta agtcttttaa ggagtttatt gatgcttgcc 180
tgaacaaaga tccatcattt cgtcctacag caaaagaact tctgaaacac aaattcattg 240
taaaaaatc aaagaagact tcttatctga ctgaactgat agatcgtttt aagagatgga 300
aggcagaagg acacagtgat gatgaattct attccgaggg ctctgattcg gaattacca 360
gcagggaaaa caatactcat cctgaatgga gctttaccac cgtacgaaag aagcctgac 420
caaagaaagt acagaatggg gcagagcaag atcttctgca aacctgagt tgtttgtcta 480
tgataatcac acctgcattt gctgaactta aacagcagga cgagaataac gctagcagga 540
atcaggcgat tgaagaactc gag 563

```

<210> 1127

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1127

```

gaattcgcg cgcgctcgac ctcttagctg agcaggcgag agcatcatgg ataccgaatt 60
atatgatgag ttctgggaatt atattggacc agagcttgat tctgatgaag atgatgatga 120
attgggtaga gagaccaaag atcttgatga gatggatgat gatgacgacg acgatgacgt 180
aggagatcat gacgatgacc accttgggaa actcgag 217

```

<210> 1128

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1128

```

gaattcgcg cgcgctcgac gaaaaccgct acattgtcct ggccaaggac ttcgagaaaag 60
catacaagac tgcatacaag aaggacgagc aggagcatga gttttacaag tgaccttcc 120
cttccctcca ccacaccact caggggctgg ggcttctctc gcacccccag cacctctgtc 180
ccaaaacctc attccctttt ttctttacc agagctctcg ag 222

```

<210> 1129

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1129

```

gaattcgcg cgcgctcgac ggctgcagat agacaaacac ctgagctgtt ctgaatacct 60
tcaggttctt ggctcccttg agcaagtgca gaaattttta ccttcaagga tcagggtttt 120
tctgttgggt tgttttttaa cacacataa tgggaacaaa gagtatgcgt ttgtactggc 180
tcgag 185

```

<210> 1130

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1130

```

gaattcgcgg ccgcgtcgac cgtgtgagtg tgtgtttgta tacgtctggc aattaaagct 60
ttgtcttctg gaacttagtg aattcttttc tctttttcct ccagaagtat ttgttacaag 120
atttgtaaatt aagagctcta cctagtttgt ttaccatgaa cctcgag 167

```

<210> 1131

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1131

```

gaattcgcgg ccgcgtcgac cttttgcttt tcttctctca caattctact ctccttttcc 60
tgtctctttt ccaatctatc ctcatttctt cctcctgctt cctctcttat cctatactta 120
tggtctgtca acttctgtct attcctcttt cctctctctt tcccacctgc ctgttcatcc 180
tatttctctc tcttgcctgt ctatccccac cgtctcgag 218

```

<210> 1132

<211> 354

<212> DNA

<213> Homo sapiens

<400> 1132

```

gaattcgcgg ccgcgtcgac ctttttgatg ttttgtttcc tattttattt ttcgtttttg 60
tgtgtctgca tgggtgtttt cgggcagtggt cttctgccat catcaccaca tgtttctctg 120
ctgcccactg tcttgaggtg ggccgtctgt gaagccctgc ttcctgccgt ttgcgggacg 180
agtcccgccc tcttttttcc tgtccccatc ggtagtctgc gtgcacgtgt ttccacagt 240
aaaaccgtgt tgtgtaactc tttccagcaa agtaacaatc cgcattaca aaggctgtcc 300
tccttgatcc agttaacgag tcagaactct tctcccaatc agcagaacct cgag 354

```

<210> 1133

<211> 464

<212> DNA

<213> Homo sapiens

<400> 1133

```

gaattcgcgg ccgcgtcgac agacttggtt ctggaataga agaactacgt actaagctga 60
tacaaataga agctgaaaat tctgatttga aggttaacat ggctcacaga actagtcagt 120
ttcagctgat tcaagaggag ctgctagaga aagcttcaaa ctccagcaaa ctggaaagtg 180
aaatgacaaa gaaatgttct caacttttaa ctcttgagaa acagctggaa gaaaagatag 240
ttgcttattc ctctattgct gcaaaaaatg cagaactaga acaggagctt atggaaaaga 300
atgaaaagat aaggagtcta gaaaccaata ttaatacaga gcattgagaaa atttgtttag 360
cctttgaaaa agcaaagaaa attcaattgg aacagcataa agaaatggaa aagcagattg 420
aaagacttga agctcaacta gagaaaaagg accaacagct cgag 464

```

<210> 1134

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1134

```

gaattcgcgg ccgcgtcgac gttgggttat ttgtctcatt ataagtttta ggaattgttt 60
atatattcta gatatatgtt ccgtatccga tataatgattt gcaaatgttt ttctgcattc 120
tttgggttat cttttcactt tcttggtagt gaactcgag 159

```

<210> 1135

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1135

```
gaattcgcgg ccgcgtcgac aaggaatctg agaaaaaggg gttgattgaa agaattctata 60
tggtacagga tattgtttca actgttcaaa acgtcttgga ggaaatagct tcttttggag 120
aaaggattaa gaacacattt aactggacgg tccccctcct ttcattctctg gcctgtttga 180
ttctggcagc agccaccatc attttgtatt tcattccact gcggtacatc attttaattct 240
ggggcataaaa taaatttact aagaagcttc gaaatcccta tccatcgac aataatgagc 300
tactagactt cctctctagg gtaccgtctg atgttcaaaa ggtgcagtat gcagaattga 360
aactctgcag cagccacagc cccctgcgga agaagcgcag cgtccaggg cactctgag 419
```

<210> 1136

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1136

```
gaattcgcgg ccgcgtcgac gcatatcagg agagaagtgt ggagtccttc aggtataccc 60
cgcttccatg tttttggtag taaaagggat gctttgcaaa gcccttgatc agtttcccag 120
cattttgggt tggatgactt tgacaagtgt tgggaagtgg aggggtgttg tggctgatgg 180
tgtctgtttc ccccaggccc gcctgaactg taagcactgt gggaagcagg ctctcgag 238
```

<210> 1137

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1137

```
gaattcgcgg ccgcgtcgac tgggcttcaa cttgatgttt ttctgctgcc agaagtcca 60
tatattctgt ttcttccctt attgcagcct ctctcagggc ctccaggcgc tgcggctgc 120
tctccttcat gtacacgaca tctttgtaat cccctgcag ggctctctgc agtccgtaga 180
cagcttgga aacggaattt tcacttccat tcagctcgag 220
```

<210> 1138

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1138

```
gaattcgcgg ccgcgtcgac caaggaaatg tgagccccag gctgcagaag gaagagtcag 60
tgaatggctg cgggtgtgaca acatgcacca ccagtggctt ctgctggccg catgttttg 120
ggtgattttc atgttcatgg tggctagcaa gttcatcacg ttgaccttta aagaccaga 180
tgtgtacagt gccaaacagg agtttctgtt cctgacaacc atgccggaag tgaggaagtt 240
gccagaagag aagcacattc ctgaggaact gaagccaact gggaaggagc ttccagacag 300
ccagctcgtt cagccgagtt ctcgag 326
```

<210> 1139

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1139

```
gaattcgcgg ccgcgtcgac ctggaaaate ccaaaatatt tggaaacct atagcacact 60
tactctaaa attgtggtag aatacatata acatagaaat tattgttcta accatttta 120
aatgtacaat tcagtggctt taagcacatt cacattgttc tgtttatcta cagaacgctt 180
ttcatttgc aaaactgaaa ctctgtattc attaaacact aactcccat tttctccttc 240
ccccatatcc ctcgag 256
```

<210> 1140

<211> 320

<212> DNA

<213> Homo sapiens

<400> 1140

```

gaatttcgagg ccgcgtcgac gactgatgtt ggagtcctatg ctcatctgga tgtacttcca 60
gtcaaaactca atgccccggg ctccgaccca taggggaatg cagcgggaca taataagctc 120
agcagtggcc cagcccaggg cagcaaccat gatcttgtac tctcccttgc cggcattccg 180
ggacatgaca aggttttagac ctatcaggtc tgccacatcc acgctggcct tcatgaactc 240
cccaatgaag tcatagatgc cgccttccca ggtgggaaag aaagtggcca agaacagcat 300
cttgcagagg cggactcgag                                     320

```

<210> 1141

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1141

```

gaatttcgagg ccgcgtcgac ggctttctct gaaatgccaa agccaccga ttattcagag 60
ctgagtgaact ctttaacgct tgcggtggga acaggaagat ttccgggacc attgcacaga 120
gcatggagaa tgatgaactt ccgtcagcgg atgggatgga ttggagtggg attgtatttg 180
ttagccagtg cagcagcatt ttactatgtt ttgaaatca gtgagactta caacaggctg 240
gccttggaac acattcaaca gcacccctc gag                                     273

```

<210> 1142

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1142

```

gaatttcgagg ccgcgtcgac tcgaggagtg ccctaataca cgaggacccc caggcggcgt 60
tagaggagct gactaaggct ttggaacaga aaccagatga tgcacagtat tattgtcaaa 120
gagcttattg tcacattctt cttgggaatt actgtgttgc tgttgctgat gcaaagaqac 180
ctcgag                                     186

```

<210> 1143

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1143

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gaatttcgagg ccgcgtcgac tgcctcagca cctttgcact gggtgttccc ttagtctgag 60
atccactttt acccattgtt cactttctca ttccattttg gttctctctca aacattgtct 120
cattatagaa accttgcttg acaactctaa catgtcagcc tctctgcgct tcttaggacc 180
ttctctctct ctacctgtct ttttctctct ccccaactatg atttggtatc aaaatatttg 240
tgcattttgc aattcagtgt ttacagcctg tcaagccacc caactcgag 289

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<210> 1144

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1144

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gaatttcgagg ccgcgtcgac gctgccttta ttctctgagc cttgactctg tcccaggcct 60
gccctggagc gcttcgacgc tcagctccct gaggtaggta cggagggaga ccccccgctg 120
cccccgccc tcggccagga tacctctcac ctcatgtccc ctctctccaa cccccacagc 180
cctggatgcc ccatagcagc cctgccacgg ctggcagaac tgcctccacc ctccaccaac 240
ccccaaagaca ggcaggctga cgcggccgag aatttcgagg ccgcgtcgac tggagaagga 300
cgtgcgctgc cgttgggttc tgagccgagc tggcgggtgg gtcggatgga ggcgaccttg 360
gagcagcact tggagaagac aatgaagaat ccttcctatg ttggagtcct gtgcacagat 420
tcacaaggac ttaattctggg ttgcgcgggg acctgtctag atgagcctgc tggagtgcata 480

```

tctgtttctag cccagcaagc agctaagcta acctctgacc ccactgaact cgag 534

<210> 1145
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 1145
 gaattcgcg cgcgctcgac cttaaaccctc gattgaattc tagacctgcc tcgagaacca 60
 cccccacct tttggcctct tcatttatcc cttaaagtgt attcctcaga cctccatttt 120
 ttttttctct cttaatcaca ccactcgag 149

<210> 1146
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 1146
 gaattcgcg cgcgctcgac tctagacctg cctcgcgga cttcagtttg taaacaggct 60
 ctggtttcac aaggctctag aactccaggt gaaattcata gacattgtct cctttggcac 120
 catgtccttg ggcctcgag 138

<210> 1147
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 1147
 gaattcgcg cgcgctcgac gttttgtctg ctttaaaatt ctgtattata ctgcatgtac 60
 tcttttatgg cgtgcttttt tccttggtat tgtatcatga acactagtgt gtttttcctg 120
 tttttcttct cgttctgttc ctggacattt ttattttcag gatttggttg tatcatatca 180
 gaaagaaacc tgaactcaat ggcagttact cctcatttct catcctcttt cccccgaac 240
 ctcgag 246

<210> 1148
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1148
 gaattcgcg cgcgctcgac gttcactgag cacttacata gattaacagt tacaagtttc 60
 cataaatcag ctagaatatg actagcttca gggaaggaat tttcaacaac tgcaatcttt 120
 gattgtttta ctgtgggaac ttgcagtgat ataattgaca acattattta acaataatag 180
 gtatctcgag 190

<210> 1149
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 1149
 gaattcgcg cgcgctcgac tgattatagc aaattcctac aaaccagacc taaaagaaaa 60
 ctgagaaagc aacatggcaa tggaaaaaga aattgggaaga ccagaggcac aggaggaaga 120
 ggcagatggg gaagatgacg tagatggagt agaggaggca gaggaagagg aggcagggga 180
 cgagggagtc gaggaagagg tggaggtggt actaggggga ggggaagagg gagaggaaga 240
 agaggtgctt ctgagggagc taccagagcc aaacagagca gtattgcaga tgatgaattt 300
 gataccatgt tttcaggacg tttcagtata ctgcctcgaa ttaaaacaag aaaacctcga 360
 g 361

<210> 1150
 <211> 297

<212> DNA

<213> Homo sapiens

<400> 1150

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gaattcgagg ccgcgtcgac ccactgggca cagcccattt atattaaagt gaagttgatt 60
atagtttcat atgtcttaag gaccattaaa aaaatttttt tggatgaatta ttatttcata 120
ttttgcttat ttctcaacag gatatttgtt tttttccttc aattttttta agttcttcaa 180
gtattagggg taatgtcatt acctgtgaag tgttttgcac atatttgctc agcttgtttt 240
ttgactttgc ttgttttttg tttttattct tttttgccac acaagccaga tctcgag 297

```

<210> 1151

<211> 346

<212> DNA

<213> Homo sapiens

<400> 1151

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gaattcgagg ccgcgtcgac caagtatgtt ctccagaagt atacactcat tatctgatac 60
ttgtaatcag ggtttactag cattggggcat cagtaagctt gttcaaaccac cagatccttc 120
tcacccgtac ggattttcaa atatgcgcta tattttcttcg ctaattagtg gtgttggtat 180
tttcatgatg ggtgcaggac tatcttggtt ccattggagtc atgggattgc ttcattctca 240
accaatagaa tcccttctat gggcatattg tatttttagca ggatcattag tatctgaagg 300
agcaaacatt cttgttgctg taaatgaact tccaggaaag ctcgag 346

```

<210> 1152

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1152

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gaattcgagg ccgcgtcgac ctgaatgccc catgggcacc ccacagctcg cgtctctgca 60
agtgtttctt ctgggtgttc ccgatggggt ccggcctcag cctcttctct ccccatcagg 120
ggcagtggcc acgtcttttg agctgcagcg agggacggat ggcggaaacc tccagtcccc 180
ttcagaggcg actgcaactc gcccgggcgt gcttggactc cctacagtgg tccctactct 240
cgtgaactcc ctcgag 256

```

<210> 1153

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1153

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gaattcgagg ccgcgtcgac cagaagtga cagagaatta cacaagtgtg actatacaaa 60
ttgtaaaaaca gataactataa tatttctctt tatttttagtg ttatttagct ttattacaga 120
tttctatttt ttgcaaaaact tcatgggttc tttcaagatc ttttttgcca aaacactcga 180
g 181

```

<210> 1154

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1154

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gaattcgagg ccgcgtcgac agaatatatt attcccacag gaaaaactca gaaaagggtg 60
gtaaaatcct cagaaggggg agcagttgat ccagtaagac tgcgacaatt taatactgtt 120
acgtttgctt tgatacctga ctaaaatgtg ctgagtgcaa caagcattta agaaaatttt 180
tagacagtgt ttgtttttaga attcagggat catgcattct ttaatgggtg tgtttgtttt 240
ttatttcttt tctacaaaga aaacaagtgt tgcctacaaa agtgactgct cacaatacct 300
cgag 304

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<210> 1155

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1155

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gaattcgcgg ccgcgtcgac attggatttt ggtccatagt tggaggctgt gttgttggaa 60
tagctatggc aaggtttgca gattttatca ggggtatgct gaaactaatt cttctctccc 120
tgttttcggg agctacactg tcctccacgt ggttcaccct gacctgtttg aacagcatca 180
cacacccccct cgag                                     194

```

<210> 1156

<211> 537

<212> DNA

<213> Homo sapiens

<400> 1156

```

gaattcgcgg ccgcgtcgac gcttagaggt catctttcaa ggaggcatta aatatcaatt 60
ataaattatt aagtcagata aatatgcctg accttttcac agttgaaaaa atacattttt 120
tccccctctat caaatgccaa gtttttagtg gaaatgctaa tggcagtggg aaagggttgc 180
tcacttttcag agagactctc gctgtctgca cctttttaat aattgctctt cctggcaagg 240
ctgccacttc cctgcctccc cagctggcag tggggcaacc caggcctgtt tccagctacc 300
tgcaaagcca gacctagacc tgccgtagct gtlgtcccat gcctaattct agttacagga 360
agccatccct gtaccctggg tccattcaca ggaatgggtt ccagaggagg ctgatagaag 420
ggtttgaaat gactggctgg atcccttccct gctcagacac agtggtagct ggagagcagg 480
cagagatggt agaattgcag gtttgaccac ctgtcgtgac cccagaagct actcgag 537

```

<210> 1157

<211> 580

<212> DNA

<213> Homo sapiens

<400> 1157

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gaattcgcgg ccgcgtcgac cactttttaa aaacaaaaaa agacaagaga gatgaaaacg 60
tttgattatt ttctcagtgt atttttgtaa aaaatatata aaggggggtgt taatcgggtgt 120
aaatcgtgtt ttggatttcc tgattttata acagggcgggc tggttaatat ctcacacagt 180
ttaaaaaatc agccccaat ttctccatgt ttacacttca atctgcaggc ttcttaaagt 240
gacagtatcc cttaacctgc caccagtgtc caccctccgg cccccgtctt gtaaaaaggg 300
gaggagaatt agccaaacac tgtaagcttt taagaaaaac aaagttttaa acgaaatact 360
gctctgtcca gaggttttaa aactggtgca attacagcaa aaagggatc tgtagcttta 420
acttgtaaac cacatctttt ttgcactttt ttataagca aaaacgtgcc gtttaaacca 480
ctggatctat ctaaatgcg atttgagttc gcgacactat gtactgcgtt ttctattctt 540
gtatttgact atttaactct ttctacttgt cgccctcgag 580

```

<210> 1158

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (27)

<400> 1158

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gaattcgcgg ccgcgtcgac ctgccangtg gatgagaagt gattacctgt ggaaattcat 60
agtgttatct ttttatagca ttcatctaca aagggtggat ttatgtaggc cttctctctt 120
tgtttcttat tgcagatatt caagagaagc ttatgtggag ttagttcacc atattagaga 180
atctattcca ggtgtgagcc tcagcagcga ttctattgct ggcttttgtg gtgagacgga 240
ggaagatcac gtccagacag tctctttgct ccgggaagtt cagtacaaca tgggcttctt 300
ctttgcttac agcatgagac agaagacacg ggcattatca aggtgaagg atgatgtccc 360
ggaagaggta aaattaaggc gttcggagga actcgag 397

```

<210> 1159
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (30)

<400> 1159
 gaattcgagg ccgcgtcgac agattatata acaatttata ttcaattcta gattctaagt 60
 ttcttttggg caagaatatt tattttccct gtgtcaattc agggactcca ggaaacagaa 120
 gctaagaaca gaagcaagtg ctggagattt actgagaggt tacacttgtg gaagatgaag 180
 tgtagcggca tcttcgag 198

<210> 1160
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1160
 gaattcgagg ccgcgtcgac attaaagggt aagttctgca aatgggagag tgttcacagt 60
 agatagctca gattgattga acacatttga ggaagagact cctgcatgag ataccagcat 120
 ttttacaat actttttatg tacattcttt attttgtcat ttgtcaacc ctctcccaa 180
 ctcgag 186

<210> 1161
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 1161
 gaattcgagg ccgcgtcgac gcttggcaag gagactaggt ctagggggac cacagtgggg 60
 caggctgcat ggaaaatata cgcagggtcc cccaggcaga acagccacgc tccaggccag 120
 gctgtcccta ctgcctggtg gagggggaac ttgacctctg ggagggcgcc gctcttgcat 180
 agctgagcga gcccggtgct gctggtctgt gtggaaggag gaaggcagg agaggtagaa 240
 ggggtggagg agtcaggagg aataggccgc agcagccctg gaaatgatgc aactcgag 298

<210> 1162
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 1162
 gaattcgagg ccgcgtcgac gccagttata gactgtccag catccaagac gtttcgggta 60
 tgtcgggtcc tcagatcgcc tctgacttgt taccacaaca aatcattttg atttcagtgc 120
 ctgttgggga attgatttct tctcagtttt gtgtgttgt ttgtttccct aatctggctc 180
 atttgaaatt tcttctccct ctcaaccata ccactaatct cgag 224

<210> 1163
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 1163
 gaattcgagg ccgcgtcgac cccatggcca cctgttcta tgagctcacc agctccacc 60
 tggagatatt aacagtgaac actgtcaagg agacacctaa ccacatccc tcaacgatca 120
 tggcaaccac ccagctcca gttagaacca ctgttcttga gatccaggat agcttcccat 180
 acctgtgttc tgaagacttc ttgggacagg aaggccccgg gccagggtga agtgaggaga 240
 ttcateccac ctgggagtcg tgtgtggggg acggatgicc tggcctcagg agaggccctg 300

tgatcgccct cgag

314

<210> 1164

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1164

gaattcgcg cgcgctcgac gtaataaact attcactgtt tcttttggtt actgtgattt 60
 aaaaaaagaa aaaagaaaaa aaagctttat acgttttagg ttgtgctttt gtaatagatg 120
 aaaaaaggtg cgcttaaaaa gaaaatgtat gtttttttcc ccttttggat tttatttatg 180
 ctggattggg gaaagttgca gaatgagcgc caactcgag 219

<210> 1165

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1165

gaattcgcg cgcgctcgac atccctcagt gaacatttgg gttgcttcca ccttttaact 60
 tgtgtagctt tttttggggg gatatttttg ctctcaaaag gacaaaggaa aaaattaggt 120
 tcagttgcta ggattactca catgagggta ggcattgggca ggaccatact cgag 174

<210> 1166

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1166

gaattcgcg cgcgctcgac gatacttatt gctgcctctg caccaatatg ctttccgaag 60
 tgctgttgtt tctctctcaa tatttgacac ttgtgtgtga tatccaacta atgctggccc 120
 agaatgcaaa taatagagca gcacacettg aagagtttca ttaccaaaaca aaagaagacc 180
 aggagatcct gcatagcctt cacagagagt ccaccctcga g 221

<210> 1167

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1167

gaattcgcg cgcgctcgac tgggttttca catgctatit caggettgc ttttttatct 60
 gtattttctt gtagcagttt gtcgacctga gaaatggcct cttcccagca atctcgag 118

<210> 1168

<211> 248

<212> DNA

<213> Homo sapiens

<400> 1168

gaattcaaca agagqcgatt ctttactaat caacatataa cttgaatacc tgggcaaaga 60
 caaattatcc aggtggacaa agaaataaaa gaataaaagt gggattcaaa tttttgattt 120
 cataagttcg gaaataagta atcaagaaac ctaactaata aaccacacaa tcaactgattt 180
 gcaaaacttg acaccaaaaga aaaagatatt ttatggtaac tatattcatt ttttttgttc 240
 tccctata 248

<210> 1169

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1169

gaattcgcgg ccgcgtcgac cagcctggaa ggtaatgcat gtccatggta cacaaattca 60
 caagggtttgt aaatgagaaa agacgtgagg ttccttttgt tctttacctg tggcctccct 120
 gccctacacg gggactctag ggtggaatgt agcaaagccc atccaccagc catgtactac 180
 cccccccgc tcgag 195

<210> 1170

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1170

gaattcgcgg ccgcgtcgac gtgggtggaca gctgtagtga taatgttgat agtaggtata 60
 ataacaccag tgttttattt gttgtattat gaaatttttag ctaagggtgga tgttagtcat 120
 cattcaacag tggactcttc acattttacat tcaaaaatca cccccccatc acagcagaga 180
 gaaatggaaa atggaattgt gccaaactaaa ggaatactcg ag 222

<210> 1171

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1171

gaattcgcgg ccgcgtcgac tagaagaaac ccagaaattc agtcttttct gttttattgg 60
 cagtggctag catgttctct ggttcaacta aagttcgaag caggcccata agctggactg 120
 ctctccaag ttcaggatct gtatcacaaa tcatatgttc tataatgagg ttgatgagca 180
 aaatatactt gctggttatt ttttgccttg ttaacttctt acttacatca tcattctgtt 240
 gtgcctcttg catgacaaac tctcgtacca tggatggatt atattcaacc aagtatgaga 300
 atatatact cgag 314

<210> 1172

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1172

ggaattcgcg gccgcgtcga cgcatttatt aaccagagta cttgttttga attttttatc 60
 tgtgaaaata ttttaaagct cttacaaaac ttaaattttt aaaaaatcag ctcaaaaatt 120
 ttttccatgt tgttgggcat accactgctg tctctgcttc cggtttccca actcgag 177

<210> 1173

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1173

gaattcgcgg ccgcgtcgac gtttggagaa ccgtgtgaa aatccatact ttagcaatct 60
 aaggcaaaac atgaaagacc ttatactact tttggccaca gtacttcca ggtgcccga 120
 ctttaaacac ttccgatttt accgtagcaa tccagaacag attaatgaaa ttacaaatca 180
 aagtttgcca caggaaattg caaggcactg catggttcag gccagctcg ag 232

<210> 1174

<211> 252

<212> DNA

<213> Homo sapiens

<400> 1174

gaattcgcgg ccgcgtcgac ccagactata tagttcaaa agaatctcta ttttctgtra 60
 ggtatgcaac aaaacaatgc agtttgtatt atatcgtatt ttgtattgta ttatatgatg 120
 ggtctcactc tgttaccag tctagagtgc agtggcacga tcacagctta ctgcagcctt 180

gaactgccag tctcaagcaa tctctctacc tcagcctccc aagtagctga gaccacaggc 240
actcaactcg ag 252

<210> 1175
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (13) .. (14)

<400> 1175
gaattcgagg ccnngtcgac gcatatactg ccatgtcaga ttctactta cccagttact 60
acagtccttc cattggtctt tctattctt tgggtgaagc tgcttggtct acgggggggtg 120
acacagccat gccctactta acttcttatg gacagctgag caacggagag cccacttcc 180
taccagatgc aatgtttggg caaccaggag ccctaggtag cactccattt cttggtcagc 240
atgggttttaa tttctttccc agtgggattg acttctcagc atgggggaaat aacagttctc 300
agggacagtc tactcagagc tctggatata gtagcaatta tgcttatgca cctagctcct 360
taggtggagc catgattgat ggacagtcag cttttgccc aagagacctc aataaggctc 420
ctggcatgaa tactatagac caagggatgg cagcaacctc cgag 464

<210> 1176
<211> 170
<212> DNA
<213> Homo sapiens

<400> 1176
gaattcgagg ccgctgcgac ctttgggtat catatcctga atatatgaag ttcattaagc 60
actttctcct catctccctt agaaggctct cttctctcca ggggtgggggt ggggaagagc 120
tgacaggaca ccttaagtcc atcctgattt tgcagaacct aaggctcgag 170

<210> 1177
<211> 207
<212> DNA
<213> Homo sapiens

<400> 1177
gaattcgagg ccgctgcgac gtgatttgtt tttttaaaag ataagtaatt tgatgaactg 60
ttcttttgca gtcagaaaac actcacaata agacaaaaaa agttccacag tatttatatt 120
catgtcagtt caggcctaaa atcctttgca aataagatgt ttataggctg gtcacaatta 180
acaatgttat tattggcaac actcgag 207

<210> 1178
<211> 163
<212> DNA
<213> Homo sapiens

<400> 1178
gaattcgagg ccgctgcgac attgaattct agacttgctt ctctctctc ctctaccctc 60
acttctaatg actaggtaca ttctacatt gctttctaat ctacctgtgt ggtgttttcc 120
attagtcatt tttttcccat tgtctcttac cacacaactc gag 163

<210> 1179
<211> 313
<212> DNA
<213> Homo sapiens

<400> 1179
gaattcgagg ccgctgcgac caaagatgtg tacaaaaatt tatcttttca ggcctcaaat 60

attgattttg aacattatct tgc aaagagt actaagtggt tggttagttg agatagagga 120
 atatgcagct ttgactatc ttctcttctc cgtcagtacc agcttccatg atacaatttc 180
 ctcttatac tttgggtcaag aggtggggca gaaaattttg agttacagta tcattcgaaq 240
 agaatttatt tctgccttct atgttatagc cctaaggga tccaggaccc gaaaggccag 300
 cttctccctc gag 313

<210> 1180

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1180

gaattcgagg ccgcgtcgac ggcatagata agtttatgga agacctaaaa gatatgctgg 60
 gctttgctcc cagcagatat tactactata tgtggaaata tattctctct ctaatgctat 120
 tatcattgct aatagctagt gttgtgaata tgggattaag tctctctggc tataacgcat 180
 ggattgaaga taaggcatct gaagaatttc tgagctatcc actcgag 227

<210> 1181

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1181

gaattcgagg ccgcgtcgac atttgccaca aacgctgtta actggactca cacatactat 60
 gtgtacctta atgatttatt tactctatgg acagttatta gaacatctgg tatgtggtea 120
 cccgtgcgga gccaaaggaga ttagggcggtg ggggctgcag tgtcagcctt cccgggagtg 180
 cacggctccag ccaggggaccg ggggccctct ggagctgtgc ttcagaagct tactgactga 240
 tgaaagcctc gag 253

<210> 1182

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1182

gaattcgagg ccgcgtcgac cttctatata actgaaatag ttctctgaac atttgataaa 60
 gttttctcta gaaagaaact ggatttggtg ctccattagt aatagttaac tgatcacatg 120
 ctaatttttc cctgttctct gtatttactc gag 153

<210> 1183

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1183

gaattcgagg ccgcgtcgac caggcatcca caaaagaaga ccaagctttg tccaaagagg 60
 aaagagatgga gactgagtea gatgcagagg tagaatgtga cctgagcaat atggaaatca 120
 ctgaagagct ccgccagtac ttggcaaagt cgtcagag 158

<210> 1184

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1184

gaattcgagg ccgcgtcgac gtccaagtgc tccattatca ttgtttacag gctattcttc 60
 tactgaattg cttttgctcc ttggccaaaa gtcagataga tgtatttggt tgggttggtt 120
 gctgggtttt tgaattcttt ttgtttgata ttgtgtgtgt ttctctgttc tataccacac 180
 tgtcttggtt actgtagctc tagtgatagg tcttcacate aagcaagaat gctcactgcc 240
 cccctcagag 249

<210> 1185
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 1185
 gaatttcgagg ccgcgtcgac cctaaaccgt cgattgaatt ctagacctgc ctcgagggtga 60
 taaccctatc tctacaaaaa aaagaaaaaa aaaaacaaaa aaaaacttag ctaggtgtgg 120
 tggcatgcgc ctgtgggtccc ggctactcga g 151

<210> 1186
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 1186
 gaatttcgagg ccgcgtcgac gtttatttca cagcactgag gaggaccaga atgcattctt 60
 ctcttaacac aagtcogaat caacaacctg aactaactt ggctcatgtt ggagctcaca 120
 gttttgctac agaaaatatt attgggggat ctgaacaatg ttttgaacag ctccagccag 180
 aatattcttc acaggaggag agccagcatg ctgatctacc aagtattttt agcattgaag 240
 caagagattc tcccaaggc actcgag 267

<210> 1187
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 1187
 gaatttcgagg ccgcgtcgac cgatgacgac gaggaggaga agctcacccc agtgaggcca 60
 ggggggttcg tggccgtgtt ctgtcccggt aggccttttc gccagacggg gcagctgtcg 120
 tgctgtcca gccagggcac gatgcagccg tegtgaaca ggtggttgca gggcagctgc 180
 cgcacacgct caccagcgc gtatgcgtcc ttgcacacag ggcactcgag 230

<210> 1188
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 1188
 gaatttcgtgg ccgcgtcgac cttgtagaga gtgacaaggt attgtttgtt tccctatgtg 60
 ctgtttgagc agtattttta ccaacttgta ttacagatgt tacagttcca tgttaggaag 120
 tcagaaaaga ctgtgttttg tctttgttct gctgatgtgg agtcatgtt ggtgggggtc 180
 cgag 184

<210> 1189
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 1189
 gaatttcggg ccgcgtcgac ggtttagttc tcaagaagtc ttggtatta aggggcactt 60
 atccatacaa cctctacttt ttctagggac taaaaggggg aaaaggctta atagccaaaa 120
 tagttatcaa aagaccctaa agctgggggt ctgtacacaa tgaaggatt actttcattc 180
 tcatgtaagg gactactcga g 201

<210> 1190
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 1190

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gaattcgcg cgcgctcgac cttgggagaac agacttaata tcatccagtc ttcctatttt 60
tatttatatt tggtagagat ggggggtcttg tctctctgtg ttgcacaccc aggcctcgtct 120
ccagctcctg gtgtgtccag aattgggtcc ttcagtgagg ttcttggtct cgtgacttt 180
aagaataaag ccgcggaccc tcgaagttag tgttacagtt ctctcgag 228

```

<210> 1191

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1191

```

gaattcgcg cgcgctcgac cgagttgatg gggtccttgg acatattgtt tttcaaaatt 60
tttgaagcct tttcaaattc ttgttttttg atacaaataa tgacagcagc ttccttgacc 120
agttttctac tggattcgac cactgcttct gtcagtgtaa attccgtttt aatcatctcc 180
agcacattga tagctgattc cagtgggtgt agctcagcct ccatatcaaa ggaacagtct 240
aaattttccc cttcttcaat ccgcgacaga ctcgag 276

```

<210> 1192

<211> 196

<212> DNA

<213> Homo sapiens

<400> 1192

```

gaattcgcg cgcgctcgac cagaacttta ttttagctct tttttaaaaa tgatttgcac 60
ggttagaaaa cggcagggac agccagggga gggaggggac tctaggggac tttgcacttt 120
ctataccttt gtactatgca ctgccctatt gattctacac ccaataatga tattacttga 180
acccatccac ctcgag 196

```

<210> 1193

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1193

```

gaattcgcg cgcgctcgac ttcctcgatc atttcaaaga tgccataaagc agattttctat 60
gtttctggaaa aaacaggact ttcattcag aactcatctc tgtttccaat actgttacat 120
tttcatatca tggagagcat gctgtatgcc ttattaaata aaacttttgc ccaggatggg 180
cagcatcagg tgcctgagcat gaatcgaaa gcaagtgggga agcattttga actgatgatt 240
ggtagactccc ggactagtgg aaaagagcta gtgaagcagt tctctcttga tctatacag 300
aaggcggatc tcgag 315

```

<210> 1194

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1194

```

gaattcgcg cgcgctcgac ccatcagtga aggaaccatc caaaactgct aaacagaaaa 60
ggagaactat aattctagga agtgggtcaca aaggaaaagc tactattaga attggatttg 120
ctacaaagaa acctgttaagt agtggcagaa aacactccct tggtaaagaa tattatgcgc 180
ccgcacctct tccacctggg gtgtctgggt tcttgccggg gcgtactgca gaacgtgcaa 240
aaagacacag gggattccct cgag 264

```

<210> 1195

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1195

gaattcgcg cgcgctcgac gaggatagca ggcgtaaata cctactgtaa tacaatgtca 60
 ctgtgtttcc tctgcactgt tcccttccac ttcctcatcc tctttgtgac atggaagtcc 120
 attgtcatag ctccagcttc agaagctgtt tgtggcattt gtaggattca aactcatgga 180
 aaattccctc ctcttcccc cccactcgag 210

<210> 1196

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1196

gaattcgcg cgcgctcgac ccccccgcca cctctgtctc caagccaatc aaccagtcac 60
 caagtccat caatgctatt gctgaaattt ctcttgaatc catctacttc tttccacgtc 120
 cacagccacc atctaccacc cagccttcac ctctcttttc ttgatgatgg catgacctcc 180
 taccagttt cccggcaact actcgag 207

<210> 1197

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1197

gaattcgcg cgcgctcgac cgcctccctac atttaccttc cttatatctc ccccgctctc 60
 ctctccatag atctccctcc atttcccttc ccatggctcc catcttccct ctgaaatgtc 120
 tactccttca tgttccctta tgtatgtctt ccaatcttcc ctcccatagc tctcatcacc 180
 ttcatatatt tcttccatct ttctccctcc acctgcctcg cctctgttat ataccctcac 240
 tctccccctt ttatatcttc tccacactcg ag 272

<210> 1198

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1198

gaattcgcg cgcgctcgac cattgagaga gggaggaaag ttttatcatg acagaaatgc 60
 tcatactctg aggatataat agagagtga tacttgaggg tagaattaat caaacaactc 120
 ttcttgatgc tggatatttt agcctaaagg aaaatataat acatgagttt agcttttaat 180
 gtttcaacag ctccactgat tgtccagaag tcattgtgtg cccactttcc tcatgtgttc 240
 atctattgcc agtgttcttc gag 263

<210> 1199

<211> 343

<212> DNA

<213> Homo sapiens

<400> 1199

gaattcgcg cgcgctcgac ctggcgggct ggcgcgcgcc gacagcagct agaggcgcctg 60
 ctcaacaaga ctatgcgcct tgcctgaca gatggacgga cactggctcg ctgcttcttc 120
 tgcactgacc gtgactgcaa tgtcatcctg ggctcggcgc aggagtctct caagcgcctg 180
 ggctcagtgc cggggaatgc acaccgcctt ggtaatgtgg cggaaactta cgcgaaggcat 240
 tcccccttaa gggcctggct gcaacccttg ttttatgggg ctcgtttctg tggctcagag 300
 gggcgggact gattctggcc taatttctg aactcactc gag 343

<210> 1200

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1200

gaattcgcg cgcgctcgac ccaagattct gttaggattt ctgtgcatac agtgtagtaa 60

agaagtatca ttcaggggtg aaaaacaaag agccgtttta atgatgttga gtacatttgg 120
 ctgttttata gcctttttct tccctccccc aaagaattct gtttgcttaa ctcccaaaca 180
 gctcgag 187

<210> 1201
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1201
 gaattcgagg ccgcgtcgac ctgaccttgg aagatatccc tgggaattccc aagcaaggca 60
 atgcaagttc ctccaccttg ctccaaggta ctgggaatgg cgttctctgc actcaccctc 120
 accttttgtc tggtctctct tgcctctctc ctgccttcca tctggggccc aacaccagcc 180
 agctgtgtag tctggccctt gctgaactat ctgcctgtgc ccgctcaggc ctcaccctca 240
 accgatacag cgcctctcga g 261

<210> 1202
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 1202
 gaattcgagg ccgcgtcgac cttgattcag cctgggtaac aaagcaagag cctgtctaaa 60
 aaaaaaaaaa agccaggtta tttttgtatg ttttggtttg ttttccctt tctcagttac 120
 tcatctcttt tagattgaag gattgatgca tttatttatt tttttattct tttaccaagc 180
 ctcaattgact ttatgttttg agaagaggat tctgctaaat tcttgggatt attcagaggc 240
 ttatacacca acaaagaaaa aagaaagcca acaactcgag 280

<210> 1203
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 1203
 gaattcgagg ccgcgtcgac aaaaaaaaaa agaaglaatt cacattactg tcatcaaaag 60
 tagattccac caccagagta tttgcaactt ggaatccagg ctgctaataa ttgttttggg 120
 aggaaagcat gatagtgtta ggattcgac tcgag 155

<210> 1204
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 1204
 gaattcgagg ccgcgtcgac gttttgttat ataggtaaat ctgtgcgcgc gtggtttgc 60
 gccctatca acccatcagc taggtattaa tgcctctct tttaaagctc actttaactt 120
 ccaacttttc atgaagcttc tcttgatctt cctctctctt ccactctgga aaatctctgc 180
 agtttgttct gcagcatcac acctagtgc tagccatccc tactttgtcc ctacactttt 240
 tgaattgctt accaadaact tagagaggga gctagagatt gttgtctggc attgtctcaa 300
 actcgag 307

<210> 1205
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 1205
 gaattcgagg ccgcgtcgac agagaaatca aaagggaagag aaaaaaagga gtttctgccc 60
 ttcagagaga gctcaactgc ctgtgtgttg ctccagctctt ctccctgttt cacaataaqt 120
 caaagtcatc acctcaactt caaatctatt ttttaataag aaagaaggcc agtgaagagg 180


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ggcaggcaag atgtggccaa ggaaggcatt ggggaaaagg taacatttgt actgggagtt 240
tggtagatga agaaggtaag aaggagaagt acagacagtt aaagatggca ttgaaattcc 300
agagtcccaag aggaggagtt tgcagggaca gcagggtggca cttgatgagt tagaatttca 360
gatgtgatga gtttgaagca cctgggagggc atctaagtag acatgattac cagacacctg 420
gagctgaata agaggtectg gagatattga tttagagggtg attgtttctct catccatgta 480
tccatttcatt caccagggca agggaaatgt gtacagtacc tactctaggc aggccttatg 540
ctggatattg ggaatacaat gatgaacaaa acagatgccg ctcgag 586

```

<210> 1206

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1206

```

gaattcgcgg ccgcgtcgac gcctcgatca ctgcatttgc acagggtgaa gtctgtgtgc 60
ggcaagttag tgaggccctt cagcaggatc tgggcgggtga cctgtgtctg aaagaaggct 120
gggttgaact ggtacagctt caggacagcc aggttggctt ccagatcata ggcattttcc 180
ttggcctgcg tctctacata gcgtccagg gtggccagggt tctcaggatt gtacctgtcg 240
ataccctcgt cgattgaatt ctagacctgc ctcgag 276

```

<210> 1207

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1207

```

gaattcgcgg ccgcgtcgac atttgtttag cctgttccct gagctctctt cgtgatcaag 60
aagactgac agataaatca agagacttgc ccaaaattac ctaggaaatc tgtagcagca 120
gcagaaccaa actccggctc ttgctaaatc tagataccag gctagctttt ctatggacc 180
agaattaacc catacaaatg tacaagctta tctctcgag 218

```

<210> 1208

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1208

```

gaattcgcgg ccgcgtcgac ccgagcctca gttgtcttct ctgtgagggtg ggaatgccgg 60
tgaatcctgc cgtggcggtg gatgagaagt gaatgcgtgc tcggagctgc gagtqacagc 120
gggcaggagg cggccaggga cacttggttt ctccagggtt ggaaggcttc tagaaggttc 180
ctcatcaagg gaagtgtggc tggggggcgc gtctacctgg tgtacgacca ggagctgctg 240
gggcccagcg acaagagcca ggcagcccta cagaaggctg gggagggtgg cccccccg 300
atgtaccagt tcagccagta cgtgtgtcag cagacaggcc tgcagatacc ccagctccca 360
gcccccccaa agatttactt tcccatccat cactcgag 398

```

<210> 1209

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1209

```

gaattcgcgg ccgcgtcgac agaagggac actcccatca gggcctgctt tgettattgca 60
tgtgtgtgca catgcatgta aaccagggac ctccagctca cggcctccag gcttgggcca 120
gttcttgctg ctctgcccgt ctcccccgac ttgctgtgac ctgagtaact ggaacatgag 180
actgtatctg caggactggc cccatgggtg ccgagtcaga agtctgtttc ctgtgagtcg 240
ccaccgttca ctacgtcttg cctcccatg ctttggagcc agtctqgtgg ctctgttaag 300
gttctcaagg ctggtggcag ctacgtcttg ggtcaggaca tgcgggggtc atgcgtttct 360
ggccttgaca aaagctgtct ggcctctctg tgacatgatg aaattgaaat caatccacag 420
tccatgaaat tgtgacactc caccagatat ctcgag 456

```

<210> 1210
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1210
 gctcgaggtc catatggata atcttcaagg gtaaattcac tgagatgaac tgcaaactcc 60
 cctttccaca tgcagcagca ggacatacat gtccatgatgg gtttgtgtaa ccttgccaga 120
 atggctggca ggacaagtta actatcattc ccttcacaaa tcagtcagtc aggaaatccc 180
 tacgtgggaa ggatcacagg gcctacaaag aggcagtgac agcaaaactt cagctgctat 240
 tgaattctgaa tgcatttctg gttttttaac cagatcccca gcaagtaatt ttaacagccc 300
 gtaaattgtag agtatgctag actatgagga cacagatgcc cagcccagtg tggggggtaa 360
 gttctacact gcactgtcct tccacagggc ccttcagggt cactcgag 408

<210> 1211
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 1211
 gaattcgagg ccgcgtcgac attacaatta tcatgctcac acttaatagt atattctatg 60
 tctctctggc tgtctatctt gatcaagtc tccagggga atttggtta cggagatcat 120
 ctttatattt tctgaagcct tcatattggc caaagagcaa aagaaattat gaggagtat 180
 cagagggcaa tgttaattga aatattagtt ttagtgaaat tattgagcca gtttcttcag 240
 aatttgtagg aaaagaagcc ataagaatta gtggtattca gaagacatac agaaagaagg 300
 gtgaaaatgt ggaggctttg agaaatttgc catttgacat atatgagggt cagattactg 360
 ccttacttgg ccacagtga acactcgag 389

<210> 1212
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 1212
 gaattcgagg ccgcgtcgac ccgcctcag cctccgaaag tgctgggagt acagggtgta 60
 gccactgcgc ctggcctcat tgtactcctt aacacaagaa gacttcaaca atgataagta 120
 gttgtttata aggaagcagg atcattacca aaataaatcc tgctaaaaca acaggaatca 180
 tgttttaaaag cctagtttgc taatttttgc tagtaggata agagtgatcg taatatctcg 240
 aacattacat agacacttaa aacctttagt tgtatttcat caaaaatctg ttcatacccc 300
 acgttggttt caaaacatac tatgcttttt cttcgtgta tttctatat tcatttttgc 360
 gtgtatgtgt atgtcacaaa tattgatatg cctgggctcg ag 402

<210> 1213
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 1213
 gaattcgagg ccgcgtcgac gagggtgatg gggtgtttct ggggtcttcg cggcttcttg 60
 gtgcttgggt tcatccctaa gggtccctaa cggggagtta tcatcccat gtgggtgacc 120
 tgttcagttt gctgtatctt cttttggctg attgcagcaa acctcgag 168

<210> 1214
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 1214
 gaattcgagg ccgcgtcgac caaaaagtc cttttgaaaa agttgatgat gatgattttt 60
 acatcagaga atatctttag atcagtttta agagatgatt actgggtgta tggtagatag 120

caagtactgt ggatgggttta aggggtgaata ggaaatatct agatgttaag ggggtctcgag 180

<210> 1215

<211> 506

<212> DNA

<213> Homo sapiens

<400> 1215

gaattcgagg ccgcgtcgac cagcaatccc tccctagggtc aatcgctccc aaacccttaa 60
ccatgagact ccccatgaac cagattgtca catcagtcac cattgcagcc aacatgcct 120
cgaacattgg ggctccactg ataagctcca tgggaacgac catgggtggc ccagcaccct 180
ccaccaagt gagtccttcg gtgcaaatec agcagcagat gcagcagcag catttccagc 240
accacatgca gcagcacctg cagcagcagc agcagcatct ccagcagcaa attaatcaac 300
agcagctgca gcagcagctg cagcagcggc tccagctgca gcagctgcaa cacatgcagc 360
accagtctca gccttctctc cggcagcact cccctgtcgc ctctcagata acatccccc 420
tccctgccat cgggagcccc cagccagcct ctccagcagc ccagtcgcaa atacagtctc 480
agacacagac tcaagaatta ctcgag 506

<210> 1216

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1216

gaattcgagg ccgcgtcgac gtaatttact aagggttgaa atgggtattct aacagtgagt 60
ccattgtctt gaggattaat ctgatttata agtaatactg atagacatat tttcgtacat 120
ctgagcagaa ataaatgcat gtttctagca tatgtaatat aaaaactctc gag 173

<210> 1217

<211> 287

<212> DNA

<213> Homo sapiens

<400> 1217

gaattcgagg ccgcgtcgac gaacggtaat tacattgaga tttttaaaaa tatataaatg 60
cttaaaatta cagaagtaat aaaaagaatg gtcttagaca aatcttatgg aaagtctttt 120
attttattct tttataatta tatttatgga tatttgtctt tattagtgtg gtaatatatt 180
ttataacgct cataatttga actttcaggc taatgtacta taaatatttg tattacgcat 240
tactaccatc ccaaatgtac caaaacacgt ttagagagaa cctcgag 287

<210> 1218

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1218

gaattcgagg ccgcgtcgac cgatcttcat gaatgcaata tttatgatgt gaaaaatgac 60
acaggattcc aggaaggcta tccctacccc taccctcata cctgtactt actggacaaa 120
gccaatctac gaccacacgg ccttcaacca gatcagctgc gggccaagat gatcctgttt 180
gttttctggc gtgcccctggc tcaggcccgg cctctctatg ggaatgatgc caaggtcttg 240
gagcagcccg tgggtggtgca gagcgtgggc acggatggac gtgtcttcca tttcctagtg 300
tttcaactga ataccacaga cctcgag 327

<210> 1219

<211> 335

<212> DNA

<213> Homo sapiens

<400> 1219

gaattcgagg ccgcgtcgac ccttgagggtg attctctctc caggctctcc tccatcaag 60

```

tctctctctcc cttagcgtctt gggtccttaa ttgcagcagc cgcgctacc aagatccttc 120
tgtgcctccc gcttctgtct ctgctgtccg gctgggccg ggctgggcga gccgacctc 180
actctctttg ctatgacatc accgtcatcc ctaagttcag acctggacca cggtggtgtg 240
cggttcaagg ccagggtgat gaaaagactt ttcttacta tgactgtggc aacaagacag 300
tcacacctgt cagtcacctg gagaagaaac tcgag 335

```

<210> 1220

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1220

```

gaattcgagg ccgcgtcgac cttgatttat aactaaaata tttaaacata cgggtgtgctg 60
gactccattt gtactcttac ccagggcctg caaatgttag gagctggcct gaccaaggga 120
ataaagatta cgaaaatgtt cactctattt tattttattt tattttattt ttttgagaca 180
gcgtctcgct ctgtcgccca ggcctggaaag cagtggcaca atctcgag 228

```

<210> 1221

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1221

```

gaattcgagg ccgcgtcgac gtggtttaag acaaaaacac ataaacaagt tcagacaact 60
gattgtatga ttctgggaat tctttgcttt cctttccttc tccctcgcca ccacctctc 120
tccccaggcc tccctgtcgg gcattggggag gaggttggag ctcagcatct tgaggaaatg 180
gtcaagacag cccctccgct ccgcgtcgca cggccagccg cctttgtccg ggaggacaga 240
cagaaacgca gcaaggcaca cactctcgag 270

```

<210> 1222

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1222

```

gaattcgagg ccgcgtcgac catcagcccg ccaagatggc gatgcaagcg gccaaagagg 60
cgaacattcg acttccacct gaagtaaacc ggatattgta tataagaaat ttgccataca 120
aaatcacagc tgaagaaatg tatgatatat ttgggaaata tggacctatt cgtcaaatca 180
gagtggggaa cacaccaaca actcgag 207

```

<210> 1223

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1223

```

gaattcgagg ccgcgtcgac ctccctgagc ccaactgggtc atatgcgtgt caccacacgt 60
gaactagtgt ggtggctgcc tgcggacacc ctccctgtct gagccctggg cctgtgttct 120
tctcagacac tcccagactg aggggtggtg tgtggcgggt ggcagggtgg ctgtggagac 180
tgggtgatctg gagcctggtg ctggcacctg gcctgagttt ccgtgggcag ctggcgggga 240
cctgtgtctg tctgtctgac tgtgggtggg cgggcggcgc ctgggagtggt ctcttgcctc 300
ggaattgata ggaacctaa cgaactaggat acccccagac tcgag 345

```

<210> 1224

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1224

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gaattcgagg ccgcgtcgac gctgattgag cctcttagat cgttaggtta atatttttca 60

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tcaaatttgg aaaatgcttg gccactatctt attcaaaaatt tctgccccag tctctctcct 120
 ctgcttcttg gactccagtt atatacgtaa gaacactgaa tgttgtctac aggtcgtgga 180
 ggctttgtac tcccatccac tcgag 205

<210> 1225
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (171)

<220>
 <221> unsure
 <222> (173)

<220>
 <221> unsure
 <222> (175)

<400> 1225
 gaattcgagg ccgagtcgac gactcctgtg aggatgcagc actccctggc aggtcagacc 60
 tatgcctgac cctcaccaca gccagacctg cggtagagag aggcctgcca gcagatggca 120
 gatgcctgac agtacctgca gaaggtctct ggagacatct tcagcagggtg ntntnccagt 180
 gccaaagtacc ctgctccaga gcgctgacag gaatatggtt ccattctcac gggcgccccag 240
 gacctgtggc tgcagagacg cccccgccac aggatccaga gcaagcaccg ccccttgga 300
 gagcgggccc tgcagggtccc tgagaactac ttctatgtgc cagacctggg ccagggtgct 360
 gagattgatg tccatccta cctgcctgac ctgcccggca ttgccaacga cctcatgtac 420
 attgcagacc tgggccccgg cattgcccc tctgcccctg gcaccattcc agaactgccc 480
 acctccaca ctgaggtagc cgagcctctc aagacctaca aaatggggct cgag 534

<210> 1226
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1226
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 aaatgaacat aagaaaaacg ttgagatcac tctcactctt gatgttgggc gtgggagggg 120
 tgcagcctgt cattccttgg ccggctccct tgcctccgtg gaggaggggt gactccacc 180
 acctccccgg cgtgggtctc ttgagttcct cccggtttcc ccattcggaa cctcactgtg 240
 atggagggtg tctctgcaag aagcatttcc tggttctccc tata 284

<210> 1227
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1227
 gaattcgagg ccgagtcgac gtgagtgctc attggttctt tccacctgac tctcgcata 60
 ttcaatggca ctctccaaat gccttgccag ggctccacat tccgtgttt tctctccag 120
 ccgcagctgg gactgggtga ttgcctctc cctcttggca atcaccgtg ggaactgat 180
 attctgggca ctgggtgctt ccagtttctt ctccagtcca tccacctgag ctgag 236

<210> 1228
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 1228

gaattcgagg ccgcgtcgac atttttggtg caagcctggg tcgtcttttc tatgcacatg 60
 gggcagctat tttagaaaca cttggagtgc tttgtatgta gtcccgcatc ccattctttt 120
 catttgacat cacgtgggtg gaatttccac aacatctcga g 161

<210> 1229

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1229

gaattcgagg ccgcgtcgac gaaaaataat tagtggtata gtcttaagat ttgttttcta 60
 aagttgatac tgtgggttat ttttgtgaac agcctgatgt ttgggacctt ttttctcaa 120
 aataaacaag tccttattaa accaggaatt tggagaaaaa aaaaacctg gttttttatt 180
 tttgtatttt attattgttt acttcaaact ttgttttaca gcgtcccca gctcgag 237

<210> 1230

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (7)

<220>

<221> unsure

<222> (14)

<220>

<221> unsure

<222> (104)

<400> 1230

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 tgggaagaca acactttctga actatatctt gacagagcaa catngtaaaa gagtagcggg 120
 catttttaaat gaattctgggg aaggcaactc gag 153

<210> 1231

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1231

gaattcgagg ccgcgtcgac atttgaatac catattattt cttctctattt gggtaatgat 60
 cgggttaata ggatttctta ctacatagt aggtgtggaa aagggtgggtt ttacttattt 120
 attttttttt agacagtctt actctgtcac tcaggctgga gtacagtggc qtgaacctcag 180
 ctcaactgcaa cttccacctc cggggttcaa gctcgag 217

<210> 1232

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1232

gaattcgagg ccgcgtcgac ccgaatctct tctgtgaatt ccacctggct agttctctcc 60
 ttctctctct cctctctctc cactctctca aagaggaaaa gctctttgtt caaaagggaag 120
 agaaaacgta aagcatctta tttctcttca aaagaatttt aaacctgaa aaagataatt 180
 ttaaagaaat tcaagctcga g 201

<210> 1233
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 1233
 gaattcggcc aaagaggcct agagcttagt gtgtaaaatg ttgaggctct tcgttcaggt 60
 cttttctctg acagggacaa gactgtcgtt tcagcagctg cagcgaagg ttggtgatct 120
 tcctctcgag gcaggctctag aattcgagggt tctccctata 160

<210> 1234
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 1234
 gaattcggcc aaagaggcct acttttggtc catgtaagtg ctaccctgtg ctgggggagg 60
 agtcattggtt tatttggaat tgcagttgc aatcatggtt ctgtcatttg actgcacagt 120
 atcagaggag cctgttaacc tctctgtgct ttagttttct agcccatgaa agagatcatt 180
 gcttgaccca gggactacct caagggtctt tgatgaggac aagtgcagct aggaagatgc 240
 aagagccttt agtaccagg ttctcaacac tgactacatg ctggaatgac tgtgaagctt 300
 ttaaaaaatg ttagtgccca ctctctcgag 330

<210> 1235
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (15)

<220>
 <221> unsure
 <222> (107)

<400> 1235
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 ttgaaaatgt ctctctgctt gttcatcctt ctgtttctca cacctgngta ttttatgcat 120
 ttgtctcttc caatgtatat gcacagagag gcacaggcat gtggactgtt caggcagaaa 180
 cttgtctaca ttaccatctg gactgcaaga gaataattata catttaaac tgtctttataa 240
 ccactttact gatctgcata accagttaac ccaatatacc aatctgagga ccttgacat 300
 ttcaaacac aggttgaaa gcctgctgct tcaactacct cggctctctgt ggaacatgtc 360
 tgctgctaac aacaacatta aactctctga caaatctgat actgcttata agtggaatct 420
 taaatatctg gatgtttcta agaacatgct ggaaaagggt gtcttcatta aaaatacact 480
 aagaagtctc gag 493

<210> 1236
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1236
 gaattcggcc aaagaggcct agataaatct tcctcatggg ggctctcctg tqtattgcag 60
 gatagaataa agagtctgac tctgtttttt atcattgacc accgacaacg ttccagtcct 120
 accacctctt atttccctct tgcctctcat ctgtgcaagc cttaactaag aaagcttgaa 180
 ccctctctct cttgggtcca gggggaagct caaaccaagc aaacacaggt ccattgggtgg 240
 gaatcttcac cctagctcac ttcttaacca taataaaaaa ccaagccaca tttagactga 300
 cttgggtctc tgccttgcat tctccagaaa gccttattat gtgagtaata aacctttgca 360
 taccctctgg ttctccctat a 381

<210> 1237
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (143)

<220>
 <221> unsure
 <222> (440)

<400> 1237
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 aaaaaaaagg aaggggaaag aaatcatggc caaaaaaata ttattttaacc cccacccccc 120
 ccccaaagct ctageccattc atntgagcat caccacatc ccactcattg cctgatattc 180
 ggatgggtggc atactctgcc ccaggaaaac tgcctgaagg cacgggggca atgggtgcca 240
 attttagctc tcagcaggtt agtcaaccag acaaactggg gggctaaagt ccagaaattc 300
 ttccaggtt ttctgctcat tggtgagca catacaaact gtcataagcc tgtaaaattt 360
 aaggggagtt ggggtggggc gtaagagcaa aaggacagca ggagaagaga aattacgggt 420
 caccaagtt ttctctgggn tagtggctct ggatatagat ttaaagagag gtcagagtaa 480
 atggactcca ggtttcttat caaagaaaac taccctcaa tgaggagctg agatgtgcca 540
 tgcaagagag ttcttacctg caggttctcc ctata 575

<210> 1238
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1238
 gaattcggcc ttcatggcct aatcttgggtg cactaattaa ggtcttccctt tctagaacca 60
 aagaactaaa actttcagca gaatgtcaga accacatctt catttggcag acacacaatg 120
 ctttgtttat tatttctgtt ttgctgaaag tgttcactctg tcagatgtca gaggaggaat 180
 tacaacttca ttttacttat gaagaaaaat ctcttggcaa ttacagttct gactcagaag 240
 atcttttggg agaattgctg tgctgcttga tgcagttgat cactgatatt ccactcttag 300
 atattacata tgaaatatca gtagaagcta tatcaacaat ggttgttttc ctttcttgc 360
 aactcttcca caaagaagtt ttgcgacaga gcacagcca caagtatttg atgcgaggtc 420
 catgtcttcc atacaccagc aatttctccc tata 454

<210> 1239
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 1239
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 caggatccct gctgccttgg tgatcccggg ctgacagcca gagagcacag cggctcagct 120
 cctggagagt gagggttgaa gaaagcggag ggcagcggcc tgcgcccgtt ggctccatt 180
 aggtcggttc ctgcagcggg gcccggcagc ctgggtgaag gccctgcccg gcagagatca 240
 tgtattgctt ccagtggctg ctgcccgtcc tcttcattcc caagcccctc aaccccggcc 300
 tgtgggtcag ccactccatg ttcattgggtt tcttccctgg caacgtttct cctata 356

<210> 1240
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1240
 gaattcggcc aaagaggcct acctggcggg ttttgggtgag ggctgggaac ggcatgaggg 60

tgagcggaca gaggtttctca ggggacttca agaggaacac caggcagcag agctcaccag 120
 aagcaagcag caggagacag taaccgcctt ggaacaaagc ctttctgagg ccattggaggc 180
 cctgaatcgt gagcaggaaa gtgccagact gcagcaacgg gaaagagaga cactggagga 240
 ggaaaggcaa gctctgactc tgaggttgga ggcagaacag cagcgggtgt gtgtcctgca 300
 ggaagagcgg gatgcagctc gggctgggca actgagttag catcgagagt tggagactct 360
 tcgggctgcc ctagaagaag aacgacaaac gctcgaggca ggtctagggt ctcctata 419

<210> 1241
 <211> 696
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (16)

<220>
 <221> unsure
 <222> (18)

<220>
 <221> unsure
 <222> (108)

<220>
 <221> unsure
 <222> (112)

<220>
 <221> unsure
 <222> (133)

<400> 1241
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 tactattcaa ctaagacaac taagaaaaat atattccaat aaaaaatnta anattacatt 120
 atgaggggtga acntgactat ttaaacacat tgtactttta ttaattaatt aagaaccac 180
 attagtaaaa aaaattttta aatccagatt agtattaggc ctctttttaga atttgtctag 240
 caggttttcc agtttccacc agaaaaccat aaaaatactt atctattggg ttatcctgt 300
 agacaaaaat cttagaaaac tctaacatta atctagagtt tttaaaaggg caaattgtag 360
 aatctaaaga gcaggtatct gaatatgtct tctattcatg tgaatggcag gtgtgtatgg 420
 caaacttttc tcttctccag gtgttttggc ctgatcaacc cttgttttcc ttatgggtca 480
 atcagcatct tcagcaggca cctcgcacag aatcattggg ttcagaacat gatgcctgt 540
 ttattcaaaa gaagagtctc attcagagaa acactaataa ttttggctaa atagctaata 600
 ataattaaat taaaaatatt tagttgtgac ttttatthaa acattaaaaa agagthaaag 660
 caacatatga atatggtaaa aaatgttttc cctata 696

<210> 1242
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 1242
 gaagctatca atttgqatac cagtcctgga tctgcctaac ctcccttca ccaaaactga 60
 cttggaacca ataaaggagg gagtgcgaat gcctatcttc cctctcaagt ttctccagac 120
 tttactgcag cagcatgtgt cgtccttggc cctgtgtgtc catccctctg cctcctcacc 180
 acatctctca ctcatagact cagggtcttc ctctggtcag tactcccatg actccatgca 240
 cctcgag 247

<210> 1243
 <211> 349

<212> DNA

<213> Homo sapiens

<400> 1243

```

ggaatgtaag ctctatgagg gcaaggactc ttgtcttgtt tactgctgtg ttcttctagc 60
ataaacacac acaccccttc agaacaattc tggatacaca atagaaattc agcaaagtgt 120
tgggtgaatg aaatggccctt aaaatactat tttaaaactt gttttctttc caggttatat 180
ttctctattt aatgtgtgta aaaatgttgt ggtatgaagt tttttgggtt taaaaccttc 240
aatagtgaat ttttgtgggc acattgtatt cataagagct gtttaattctt gccataactt 300
taaataaatg tattgggtgc ttgtgtacat gactatctgt aaactcag 349

```

<210> 1244

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1244

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ggagcccacc gagaggcgcc tgcaggatga aagctctctg tctctctctc ctccctgtcc 60
tggggctgtt ggtgtctagc aagacctgt gctccatgga agaagccatc aatgagagga 120
tccaggaggt cgcggctcc ctaatattta gggcaataag cagcattggc ctggagtgtc 180
agagcgtcac ctccaggggg gacctggcta cttgcccccg aggtcttccc gtcaccggct 240
gcaaacctga g 251

```

<210> 1245

<211> 528

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (89)

<400> 1245

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gcttgcccat ggctgcttcc ttttttccaa tctctgtggc agtttttggc ctaataaccc 60
tgcaggttgg tactcaggac agttttatng ctgcagtgtg tgaacatgct gtcattttgc 120
caaataagaa cagaaacacc agttttctcag gaggatgctt tgaatctcat gaacgagaat 180
atagacattc tggagacagc gatcaagcag gcagctgagc aggggtgctcg aatcattgtg 240
actccagaag atgcacttta tggatggaaa ttaccagggt aaactgtttt cctttatctg 300
gaggatatcc cagaccttca ggtgaactgg attcctgtgc aagaccccca cagatttggc 360
cacacaccag tacaagcaag actcagctgc ctgggccaaag acaactctat ctatgtcttg 420
gcaaatctgg gggacaaaaa gccatgtaat tccctgtgact ccacatgtcc tctaatggc 480
tactttcaat acaataccaa tctgggtgtat aatacagtat tctctgag 528

```

<210> 1246

<211> 257

<212> DNA

<213> Homo sapiens

<400> 1246

```

gcaagaacat gaaacatctg tggttcgtcc ttctcctggc ggcagctccc agatgggtcc 60
tgtcccaggt gcagctgcag gagtcggggc caggactggc gaggccttcg gagacctgt 120
ccttcacctg cgtgtctctt ggtgacccca taagtcttta ttcttggaag tggatccggc 180
agggccacag gaagggaatg gagtggattg gcaatctcta taccactggg aatatcaacc 240
acaatccctc cctcag 257

```

<210> 1247

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1247

gaatttcgagg ccgctgcgac gtaagcaata tttagtttaa aggcattcac aagtcacata 60
 acttaatcat tttaaagaa tgggtggaat acaagcagct tttctttttt ttttaatttta 120
 tttctgttta gtattcttga ttacgtaaca ggaagctctg ag 162

<210> 1248

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1248

gaatttcgagg ccgctgcgac ccagcatttt gtccctttct atttcaccgc tgcctcagtaa 60
 caacctacac ttcaactttt gatgccattg tcattcactc attcattcat tatttgcctca 120
 ttcaattttg tcaacaatga aaccaatgct caagcagatg gaggtggctg ggtgcagtg 180
 ctcacacctg taatcccaac cctttgggag ggcgaggtgg gcagatcact cgag 234

<210> 1249

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1249

gaatttcgagg ccgctgcgac ttccctttt atgtgtaatc ctttgttttc ccggagtcac 60
 taagtcttag tgtcttgttt gctcagtttc ctatgtatct atcacaaatt cagcccagac 120
 cctgatagaa gtgtgaatct caacacattc ctgcag 156

<210> 1250

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1250

gaatttcgagg ccgctgcgac agaacagtcg gtttaccag gaaggccatt atctttgact 60
 tgcacaaagct ttacagccaa acattgtttg cttacagttc ttttaatacaa atgaagacct 120
 taattggtaag aagagtccta ttactactcc ccttgnacat ggaggctcgc ccaataaaga 180
 aaggacgatg tcacgtcttc gag 203

<210> 1251

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1251

gaatttcgagg ccgctgcgac gagaactgct gcttcgtctt cctgtgttag tgagaccagt 60
 tgtgtgttat cagatagttc agactttcaa cagcagttat aagtgcctca gtattctctc 120
 tactgggttat tcttagagt ctaagggtgt gtatttaata atgaggtggc tcgag 175

<210> 1252

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1252

gaatttcgagg ccgctgcgac cctcgattga attctagacc tgcctcctcc cagcctttgt 60
 tttattatca tccattttac atcatcatat ggcataaacc ccaaaatgca ttgtcactac 120
 ttactcgag 129

<210> 1253

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1253

gaattcgagg ccgcgtcgac aaaaaagaga aactacttta ttgatgtttt ttctctctga 60
gccccgtctg gtcttattga atgtgtcacc ttgtattata attgttttta ttgtcactg 120
ttgtcatact gctactctt taccctcttc ccacatacat acacaaatgc tactcgag 178

<210> 1254

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1254

gaattcgagg ccgcgtcgac gcttcgggga tgggctcgtc actcgggtcg taatactgct 60
ccagggggca gttacaggaa ggtaaccatt tacagccaga aaagggttaa tatactctt 120
tcattgtttt cagaaaatgt ataaagggtc aatttgtaac agcaagggtt tcaaattaag 180
acaattcgta tagagtagca attgctgcac gaagtaaagt cttttttttt tttttttaac 240
atttgtcatt taagaaggct gccctggggt attcataatt cattgtttac cacaagggtg 300
gttcataaat ttaagcttta aaaacgatct gtaagttgat actttggctc ttgggagctt 360
atttcattaa gaaatttttc ttgattgacc tcagggcagc tggggcactc caaggggcta 420
tggcgataaa aagctcaatt ggtaaagaca ctcgag 456

<210> 1255

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1255

gaattcgagg ccgcgtcgac gtgcctctaa aattaaatat ttgggatctt ttgattagtt 60
ctggatgcat caaataagca taactaaact attctttttt tgtttgtttt tgagacggag 120
tcttgctcag tcgcggggc tgaagtgcct cagctttctg agtacctgtg actacatgtg 180
tgcaccacca tgcacagttc tcgag 205

<210> 1256

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1256

gaattcgagg ccgcgtcgac ggaattctagt tgcctaagga taaactgagt ttgacttcac 60
tagtgcacaa atgatagggt tgtgttagagt tattatagca ttaatcaatt tgatggattg 120
gaaatatgac agaactgaag cagcatgtaa tattagtgc ttattttctg gaaattatgt 180
cttcacctac attcatgttg cagaggagtc atgtttgtaca tcaagaaggc agaacttaaa 240
gaaacaaaca acagagggca tcttactcga g 271

<210> 1257

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1257

gaattcgagg ccgcgtcgac cttacatttg tttaggtttt tcccaagatt cataggcttc 60
ttgtctttat gcattataata atattatata ctgtctacaa ttttaaccatc ttttcaaac 120
tgatgattct cctctgtctc tgtcctttca gtaactgttt tctcttgaa tccagaccca 180
tatctcttgc tgcctgcaag cagtttactc tgaatccctc tgactccaca actgggtccac 240
tcgag 245

<210> 1258

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1258

```
gaattcgagg ccgcgtcgac caccatccta ctggagaaaag catactttta tgcataagatc 60
ttactttaag ctgttttatgt gaacaaaaga tgtacatata gtaagtatta ctcccgtagt 120
cctcaaattt actataactt ttgtacttag tatatgtttt atatttgga aacagcacta 180
cgcttagttt tctgttagtt cctgagtgat gctcgag 217
```

<210> 1259

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1259

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gaattcgagg ccgcgtcgac atttctgctc attgtttcca ttctgcaccc cttttttct 60
gtttttttcc tgagattatt aggaatgttt tatcataggg tattattaat ttctcttta 120
gtggcctctt tatcacattg tcacattatc ctcgag 156
```

<210> 1260

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (22)

<220>

<221> unsure

<222> (24)

<400> 1260

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gaattcgagg ccgcgtcgac ancnagatgg aggattcggc ctccggcctcg ctgtcttctg 60
cagccgctac tggaaacctc acctcgactc cagcggcccc gacagcaccg aagcagctgg 120
ataaagaaca ggtagaaaag gcagtggacg ctctcttgac gcattgcaag tccaggaaaa 180
acaattatgg gttgcttttg aatgagaatg aaagcttatt ttlaatggtg gtattatgga 240
aaattccaag taaagaactg agggtcagat tgaccttgcc tcatagtatt cgatcagatt 300
cagaagatat ctgtttatct acgaaggatg aacctaatc aactcctgaa aagacagaac 360
agttttatag aaagctttta aacaagcatg gaattaaaac cgtttctcag attatctccc 420
tccaaactcg ag 432
```

<210> 1261

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1261

```
gaattcgagg ccgcgtcgac ggtaagtga tttggaaagt ggaatagagt aagggggatt 60
cagaattgtt gaggatagag gttgcaattt aaagtcaggt atactgggtg gagtatcctt 120
gagagagtga tatttaggaa aaatttaacg gagaagtaac catgttaata actggggcag 180
ttctcgag 188
```

<210> 1262

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1262

```
gaattcgagg ccgcgtcgac ttaaagttta agtgaracta aattaagtea ctgttccctt 60
gcttaaaaact gttcagtgct ttccatttca ttgagaataa aattgaagct cttttcattg 120
```

tctctaatat tctacataga cttacccttg tatacctega g 161

<210> 1263
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 1263
 gaattcgagg ccgcgtcgac aaataacct tcaacaagtt aaattgcctc taggatttgc 60
 tttctccaga tttaaattatc ccaaagtctt ttcttttttc tcataaaggc cttttcaaaa 120
 agaaacattg gttactttta aaatttcttt ttctagctct ttataaaact ttattctttt 180
 cataaatgta ccacaggata ctctctgag 209

<210> 1264
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 1264
 gaattcgagg ccgcgtcgac gagagtggca tgcattgataa aattcaaggc agcagtacac 60
 ctctgggaca gtctgtagca gttccctaatt ctacctgtat ccattgagcg agataggagt 120
 gaagcctcct aggcctccag tctgcagcat ctctgtcaca tggaaacctg atgggtgcct 180
 ctgtgagggg ggccaattat gcacagtga cactaaacac agatcatttt agccttctta 240
 attagccact aataaaaaga cactgaagta agtatctga agatcaaaga gagatttcca 300
 ccattgctca ataactactc gag 323

<210> 1265
 <211> 220
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (188)

<400> 1265
 gaattcgagg ccgcgtcgac atttaatat cactcttggg actttacaat cagtcactgc 60
 tccctatgga atttcatagc tcacttttat aacagacatt ggtaaaataa gaattctattg 120
 tttaaagtact catctaaaat attttaatac tcattggagt gatttttgcct agcaaagctt 180
 aaaaattnac ataattgctt gtttcacctc gattctcgag 220

<210> 1266
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 1266
 gaattcgagg ccgcgtcgac caatgataaa aacagtctct taattaaact tgcctgaatc 60
 ctctataaac ttggttaatt taggcaatat agtctccctc cagtgttcat gagagattgg 120
 ctccaggaca cccctcatat caaaaacctt ggatactcaa atcccttata taaaatagtg 180
 tattatttgc atataactta tgtacctctt cctgtatact taaaatcact cttagattac 240
 ttataatatt aatggtaaaa ccacaattac ttctgcacca actctcgag 289

<210> 1267
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 1267
 gaattcgagg ccgcgtcgac tgaatataaa tttttttata gcatgttaat tgcctataca 60

```

aaaaagttaa taaaagatag gttttttttt aagtatatat ttctaaaaga ggaagattgg 120
gtttttttgt ttgtttttgt ttatnttttt tttttttttg agacaggggtc tggctctgtc 180
atccagggtg gagtgcagtg gcattatctc agctccctgc aacctccacc tcccagagctc 240
gag 243

```

<210> 1268

<211> 152

<212> DNA

<213> Homo sapiens

<400> 1268

```

gaattcgagg cgcgctcgac gggctccaga aaaccagggg gactcaaac agaatgaaac 60
tgcaaacatt cgttttattt gctattttta aaaatttggg aatatggccg ggtgcgggtg 120
ctcacgcctg taattccagc actttccctg ag 152

```

<210> 1269

<211> 192

<212> DNA

<213> Homo sapiens

<400> 1269

```

gaattcgagg cgcgctcgac ggttttatga acatttatat agccggtgta ttgtgggttg 60
ggattgtata ccatgctttt tatttgatct tattttttac ttcttttaga gacaggggtc 120
cactctgtca cccagtctgg agtgcagtgg tgaatcata gttcagtga gtctcgaact 180
cctgggctcg ag 192

```

<210> 1270

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1270

```

gaattcgagg cgcgctcgac attaagcatg acatatccct catatgata ctcattctga 60
gttaattaga aaatacctga gttcacgtgc taaagtcatt tcaactgtaac aaactgacta 120
tggtttctta agaacatgac actaaaaaaaa aagtgggttt ttccaccgt tgetgattat 180
tagacagtag gaaatagctg ttttttttag ttttacaaga tgtgacagct ttagtggttag 240
atgtagggaac acatttcaac agccatagta ctatttgttt taccactgat tgcactattt 300
tggtttttta acagttgcaa agctttttta tggcataaaa gtataaattga aatctgtggg 360
atctatttac aaacatgtct cgag 384

```

<210> 1271

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1271

```

gaattcgagg cgcgctcgac ggtgggtgac cctgtcccag cccgcaaac cccctgctcg 60
gggtccctcc gcccggtgac tcttgggtgg ttgcccgag aggcgcacgg ccgcctggtt 120
cgcgggggag tgaacgggag gccggggaat gcgaaccggc gcaaactctc gag 173

```

<210> 1272

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1272

```

gaattcgagg cgcgctcgac caacctcttg ctgtccatgt atttcttctt gctggggaat 60
ctgcccctgt cccacacatc cagccctctt atgaataagt tttttccagc cagctttcca 120
aatcgacact accagctgct ctccacacag ggttctgggg aaaacaagga agagatcctc 180
aattatgaat ttgacaccaa ggacctgggt tgcctgggac cactcgag 228

```

<210> 1273
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (24)

<400> 1273
 gaatttcgagg ccgctgcgac agcncattta tgatttggaa caactagggt ttatataaga 60
 tacaaaaatt aaacaaagga ttgtgtcatt gcaaaaagct acaaggaggt ccaaaagcagg 120
 aagttatgca aaacatagca ttgtcccttg actgggagtg cagggaagat gtggaagagc 180
 agagaggagag agaaggaggc taggggttagg tacctactca agaagggtga aggggaattgt 240
 ggaaggagag gggccggtgt cctgtctctg ctgtcaaaact ctagaacctt gtggggctgc 300
 tgtgatccca cagagaacgt gaagagggtt cccagttccc tatggccagt gccaaagctgc 360
 aagtacatta gggagttatct ccaaggcttg tgggtgggga actcgag 407

<210> 1274
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 1274
 gaatttcgagg ccgctgcgac gagagatttt tacttatata atagtccctag agtttgcagc 60
 tggtaaaacc agaggctaca tccagtatta ctgctaagag acattcttca tccaccaatg 120
 ttgtacatgt atgaaaatgg tgtactgtat accttaacat gcctctctga g 171

<210> 1275
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 1275
 gaatttcgagg ccgctgcgac cttgaattgc ctctagagca ttgtgtccgt ggtttcaatt 60
 gtatcacaga atgttacaca gactgaagtt aagtggttac tttttgtcag gggttatctt 120
 attttttctc attcagttta acatgtgtac tgcaaaagac agtatctttg gaaatgaagg 180
 catagtcttt catthaaaca tgcctcagag ggatttcact aatgaaagca ttcaaatcat 240
 gtgcctagt tttgtttcta gcagcccaat cgag 274

<210> 1276
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 1276
 gaatttcgagg ccgctgcgac cctgattcca aagggtatatt tctgcgacac ttacaangaa 60
 attccaacct ggcaccatct ttttcaactgc agaattgcatt aaggtgggtg catcatgtca 120
 tttcgacatg catthaaatg taatgaaagg cacacagctc gag 163

<210> 1277
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 1277
 gaatttcgagg ccgctgcgac tcttgagata atttaattga aatcgtatg gtgtgttttt 60
 ttttaattat tegtctttat attttgattt gctgtgttta cagtgaacat tttctctact 120
 ggataactat gtgtaaattg ccattagqqa ttatataagc tttaacaacca gtttttaggc 180
 aggaaatgtc cacagagttt gaagttttct ccttagggaa gtgtgtatgt tgcctatagta 240

aggagact cag

254

<210> 1278

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1278

```

gaattcgagg cgcgctcgac cgattgaatt ctgacctgc ctgagtgat ctgctcggt 60
tggtctccca aagtgcgtg attacagacg tgagccactg tgtctgtct gtctctgata 120
tttatatgcc attatgtggc ctctactgcc ttaggattct aatgttccca ctaagctga 180
g                                     181

```

<210> 1279

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1279

```

gaattcgagg cgcgctcgac ccattccctg tattctctgc tgtttttttt gttttttct 60
aggtgttttt tgttttttta agcttcttaag tgaatcaact aatataattc ttaagagaat 120
tagctgtaaa gatattcata ccattgctct ccagacacat gcagctagtg ctactctgc 179

```

<210> 1280

<211> 239

<212> DNA

<213> Homo sapiens

<400> 1280

```

gaattcgagg cgcgctcgac aaacaaacaa aaaaagcatt tcttgagag aagaagcatg 60
tacagatgag caagtggaga ctaaagatgt ttgagtggat gagtagacag gtgaacaggc 120
gggcatttgt ttttattatt gttacttatt tttttttaa tttttttttt ggatgtctcc 180
tcacccccct cctccttccc caggcaggta tttcgataga taaaggatgg gtgctcgag 239

```

<210> 1281

<211> 213

<212> DNA

<213> Homo sapiens

<400> 1281

```

gaattcgagg cgcgctcgac gatttttagaa gctatagaca ttgtttaaga taactaagaa 60
tacttggtta agaagtataa ttgtctaac attaaggact ttcttttttt aatgttgtac 120
actattcttc ctactctttt ttgggttttg tttgttttg tagagactgt ctcactatgt 180
tgcccaagct ggtctcaaac cctaatctc gag                                     213

```

<210> 1282

<211> 148

<212> DNA

<213> Homo sapiens

<400> 1282

```

gaattcgagg cgcgctcgac atttggactt gtaacctgata agcaagcaca ggaattaaat 60
tggtagccac cacaacacct aaagaaattt aggttagaa gtgcaactta atcacaattt 120
agattttaac acacacgat ttctcgag                                     148

```

<210> 1283

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1283

```

gaattcgcgg ccgcgtcgac ggggaatcagg gaaaggctgc ctcttttggtt tctcaactgg 60
tattgattat tgctatcaac tatttgggga gaaaaaatca aaatgaagcc ctgtcaaatt 120
ttagaagtac tatctttggt ccttcaaaca ctttgtgatg acaccttaag aaaaacaaag 180
ctcgag                                     186

```

<210> 1284

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1284

```

gaattcgcgg ccgcgttgac tgcagttgtc gccaaaacttg ggtattcatg gaattttctag 60
taaatgaaat acctatactt tgatactgaa gactgccaaa tacataggaa ttttctttct 120
taaaaaacag taatgaagac tatatctctt tccccagcac tgaatgtttt actagcactg 180
ggtgctcacc atgcaactga agaaaatgtg aaatctctcg ag                222

```

<210> 1285

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1285

```

gaattcgcgg ccgcgtcgac ggtgtacgga tattttcttc aaattatcta ttttgttgat 60
gttttttgta cccattctgt tgtgtttgct tttattaatc tataatatca tctgcttcaa 120
tatggaacac cccacagggt cagggtctgag gtgtctccctg ttggcagctc cttaaagagaa 180
gcagctcgag                                     190

```

<210> 1286

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1286

```

gaattcgcgg ccgcgtcgac attgtacatg cttctggact tgccttttcc cttagtgtag 60
cttgggggaat ttgccttgat atatggagag atgcagctgc ttgttttcat gttttgcttt 120
tttttttgga cagttggaca tgcgtgtccc aagtgtgttt atttagccga tctcgag    177

```

<210> 1287

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1287

```

gaattcgcgg ccgcgtcgac caaaaaaaat gctagagtaa gaaatcagag gaatgggaaa 60
atgaggggtg gattaaatga aatacgcata aattactata caaatgcct gcagtgaag 120
cccggtgaat ttgttgagat agattgcaaa ttttacttta gtcttcccag aagtcacggt 180
aaagaagggt acagaagtat tgtgtattca aaatccaaaq tgcctttggg ataaaagtaa 240
ataggtcatt caggagaagg acatgttttc ttaattctaa aagctgactc gag        293

```

<210> 1288

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1288

```

gaattcgcgg ccgcgtcgac cnaaaattta gtatgcagtt ctctttttgc tgggtttatt 60
cgtgctgggt catcgtgagt aagaagcctg ccttgctggt ctggggaaga tgcctagtt 120
ttcgttactg gatgtttgga gtatgatactg gtctgggatt ggtgggaatgg agaacacac 180
tgttgggtgt tctgggttagc actgggttgc attagattat gtttccatgc cagagtttgt 240

```

gtgggagggc gcatgtgcac cacagagtgc actcgag

277

<210> 1289

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1289

gaattcgagg ccgcgtcgac aggaagctatg cctccaaggt ggctccttac acccatataa 60
atgtgggatg gaattctgaga ccttagaagg gcccttcggg gtaaacctctg aaggtttagtg 120
ccagaaggag gtggtcaact tcttaagtgg cctgggggtca agatcatttt cacctagaaa 180
gacaccagac tatagaaatc taggcaatga caaacgtcta ccattttcct catatgattt 240
tttttcaggc agcttgggga ctcgag 266

<210> 1290

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1290

gaattcgagg ccgcgtcgac caagaattta ttttttttat tttttaaaat taaaaataat 60
ttatatctcc tctgttgcac gaggattctc atctgtgctt ataattggta gagattttat 120
ttgtgtggct atcttcgag 139

<210> 1291

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1291

gaattcgagg ccgcgtcgac gagagagtgt actttatcct cacaagtcta ttagtgcata 60
ttaaatacata atgaaagcaa tctttggcca ggtgcagtgg ctcattgctg taatcacagc 120
actttgggaa gcggaggcag gcagatcact cgag 154

<210> 1292

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1292

gaattcgagg ccgcgtcgac gtaaatgctt attagttaac caggcagggt taaccacgtt 60
attatagaaa ctctaagagg tttcacatgt gttttttttt tgttttgttt tgtttgtttg 120
ttttgagatg gagtctcgct ctgtcaccca ggtgggagtg caatggcgct gtcttggttc 180
cctgcgacct ctgcctcccg ggttcaagca gttatctctc ctcaacctcc caagtagctg 240
ggattacagg caccgcgcaa ccaactcgag 269

<210> 1293

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1293

gaattcgagg ccgcgtcgac gctaattggc gtttgcattt gtgtcttcaa acagattctg 60
gttacagcca ttttgtgtga ttcacttcgg ggtttaagta atgcaggatt ctgcaaacaa 120
ggtgtcgccg tccaaatgta ctgtcttcggc atagagagca ctgctttgtt ttcactgtt 180
gtagagaaaa ctatggagaa ctcgag 207

<210> 1294

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1294

```
gaattcgagg ccgctcgac atttcagtgg tttttttatt ttctactccc tattccttta 60
gcttggttca gattttaaatt gttcctcacc ttctagtatt ttaagggtcaa aggttaggtt 120
attgatttga catccttctt gtttggtcaat gtaaatattt acagttataa attttatctt 180
tagatgcacc aaaacaaaat gtattggcaa agagtcatac tcgag 225
```

<210> 1295

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1295

```
gaattcgagg ccgctcgac taacaatatt gattcttcca atccatgaac atgggatatc 60
tttccatttt ttgtgtgtct tcttcattta ttttatttat ttattttttt gagatgggtg 120
ctagctctgt ccccatgct ggagttcaat ggcattgctt cagctcactg caacctctgc 180
ctctgggtt gctcgag 197
```

<210> 1296

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1296

```
gaattcgagg ccgctcgac ctgacttttc tacatatgct ttatcaacct ctttaattaaa 60
ccatcattgt ctattttgag agataactgc gctgcttccc attgtgtgtt ttaaatgtta 120
ttgttcagtt tgagtcaaat aaaaggatat ttaatttatg gtggcctcga g 171
```

<210> 1297

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1297

```
gaattcgagg ccgctcgac cgagttgtgg aattgtcaag gatgtcacac agtggacaga 60
aagtccaagc gagggagggg ctgacccagt gctgatggag attagtgggt gggtcttggg 120
atgaggatct actgcaactga caagggtgtc ctacagagtg gagtgtgtgc atatggcctg 180
ggacgggaga ggcccaagca cagcaaggac atcgcccgat ccacctttga cgtgtacaag 240
caaaaccctc gag 253
```

<210> 1298

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (32)

<400> 1298

```
gaattcgagg ccgctcgac ctgcttttta anacaacaaa caagaacaaac aacacaaaac 60
ttgtaatgat ttgtaatgat catgctggga tatttaattt gggtagtgtt tgggtgggtg 120
tagagtgggt gagacttctt gggaggactt tttcgccttc cactctcgaq 170
```

<210> 1299

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1299

```

gaatttcgagg ccgcgtcgac ccgggattca ggggcaggat aaagattagt aatagctagt 60
aaggaacaga attcaaaatg tggctctctaa ttacaaaatc tatagtttta acttcattta 120
ctgctactag tctccctgat ggtataacct tcttaaatct ttcagtaggt ccaggtgac 180
tcgag 185

```

<210> 1300

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1300

```

gaatttcgagg ccgcgtcgac acttagtata actttgcact catttaaatt cagtgaatta 60
ggcttttcagt ttctctagaa ggaaaaaac caactttttg agcctgcctt tgtttctctg 120
cgtgtaagtg tatgtgtata taagaaatga aaattcattt tctcaccagt tctactagtt 180
atgtaagtgt gttcctttta atccatgttt ttgagaatgg acttgggaaa gcaatgggac 240
tcgag 245

```

<210> 1301

<211> 358

<212> DNA

<213> Homo sapiens

<400> 1301

```

gaatttcgagg ccgcgtcgac agtccctggg gtgtggagcc gctagggttt gcacccatga 60
aacagaaaag ccacaccctc caagggtgtg ctttcatttt gggactgctg caggaggagg 120
agaggcattg ctgagactgc ctggcaacgg ctgatgccc aggtaggacc ttttccattt 180
caaagtgggt ttctaagtc gcgtccaaca ctgtgtagga aaaagggttg tgcaaaaata 240
ttcctggtea tccaccatt aaaatagtta gatgaggcta ttgccttgat gacagctgtc 300
cacactctc atgaaattaa cccgtatgcc ggggcatttc caaatgtctg aactcgag 358

```

<210> 1302

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1302

```

gaatttcgagg ccgcgtcgac gaattctgt attaacaaaa tattttaata aatcttaaga 60
gaaaatcttt taaaaaatt ttagggcaca atgaggcacc acttctctct ggcaaatgca 120
tttgctctct atttagtgga cattctcgag 150

```

<210> 1303

<211> 200

<212> DNA

<213> Homo sapiens

<400> 1303

```

gaatttcgagg ccgcgtcgac agcatgctca ttcttacttc taaaaatata gtcagtcat 60
ggctgctttt ctggtcactg ctacccttgt gtcactttgt atcagcagta ttccaaaggaa 120
gcaaatggca cgttgaaatg aggataaatt aaggaaagta tatttacaaa gatattagta 180
ataaagatgc tggactcgag 200

```

<210> 1304

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1304

```

gaatttcgagg ccgcgtcgac ctggcttctt atagatgcat gaagtggcta ggaaagctgt 60
tagaggtagg atacttagta agagccggtt tcttcagccc tggctgcaca ttggaaactgt 120

```

ctggagaaca tttaatggcc cgatgcccac gtteacccca gatcaattat atcagcagct 180
cactcgag 188

<210> 1305
<211> 203
<212> DNA
<213> Homo sapiens

<400> 1305
gaattcgagg ccgcgtcgac cgcaggattg ggactgatac agaggccgcc acggagcccg 60
ccggagccac cgttcctgct gctgcgcgcg ctgcccgaaat cggaaaccgtc gggccgcagc 120
cgccggcaat gccgcgaagg aagaggaatg caggcagtag ttcagatgga accgaagatt 180
ccgatttttc tacagatctc gag 203

<210> 1306
<211> 160
<212> DNA
<213> Homo sapiens

<400> 1306
gaattcgagg ccgcgtcgac caacattgaa gaggataact gcttttcata agtaagttag 60
attttgaagt tccctgttttc ttaaattctg agaaataaac ttgcatgttt tgtgggttat 120
gttaatttct aagctaattt gttgtgtgtg taagctcgag 160

<210> 1307
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (18)

<220>
<221> unsure
<222> (23) .. (24)

<220>
<221> unsure
<222> (277)

<400> 1307
gaattcgagg ccgggtcnag ccnnttcttc taagcgttta cttacatggg taagatatct 60
tggaacctct ctttcttgca ttaacctttg gccttcggca gcataatagc aattagtctc 120
ttccaaaaat ttcagttcaa atgaatcttt atacacctgc aggtcagaca gcattgcccag 180
gaggatccgc aacaggctcc ggtccacggc ctcgcgcgtc ctctcgcgct cgatcagcag 240
taggatccca tcaatggttt tactctgaac cactctncca ccaataatat gggttctaaa 300
cagttctaat cccatatccc agatggaggg cagcgtggag ttctgcagca cataggtggc 360
gtcccaagaac aggaagatgc ttctgatcat gatcatttgt ctgcagtggc cctgcacgca 420
cttggttaatc ttctttaaaa ataaaacact atctagttag tcttctctaa acggaaggat 480
ctgtgcctgg acgtggtctt cacaggcctg acgcagtggc ttgttagagca ttggggagac 540
tttgtgagaa cagagatttt ccacagcctg gtaagctctc tctgag 585

<210> 1308
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1308
gaattcgagg ccgcgtcgac ctttaaaatg tttttctacc ctctctctct tttttctaaa 60

ttccagttac acgttttttag atattttgat attgtectaa aaataacatt gcctctgtac 120
 atcttttttc agctgttttt ctctttattg ttttagttttg ccatttgta ttataattta 180
 gttcaggaca caaagatgag ggtaggaga agcctcgag 219

<210> 1309

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1309

gaatttcggg ccgcgtcgac cacgttagtg tagacatggc cttggggggt gagegcagca 60
 gccaggctgc cagggtctgg ggcggttagg aggcacggta gttgggtgggt gggaagaggg 120
 cctgggtgggt ggcggtcagt tagcctgggt gggcgaggtt gatgaggtga ctcgag 176

<210> 1310

<211> 182

<212> DNA

<213> Homo sapiens

<400> 1310

gaatttcggg ccgcgtcgac gccaggata tgttctgtaa aaacgtgtt tatatgattg 60
 tgcagggtgt ctactgtcc ccagaactac ctgaatcaga ctgctgccc gcaggtggca 120
 ctggaaataa cctcctgtgg aatgtttctc atgccccctc cttatggcag gacacactcg 180
 ag 182

<210> 1311

<211> 171

<212> DNA

<213> Homo sapiens

<400> 1311

gaatttcggg ccgcgtcgac tgaagagaga gcaccacatg gacatccgag atgtaacct 60
 ctaggcagtg agggcagcat gttagcagag aggtgaagga tgaagacaga gcaccaaattg 120
 ggcacccgag atgtaacct ctaggcagtg agggcagcat gttgcctcga g 171

<210> 1312

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1312

gaatttcggg ccgcgtcgac ggagaatcac ttgaacctgg gagatagggg ctgcagtcaa 60
 ccaagattgc tccactgcac tccagcctga gagacagaga ctccatctca aaaaaataaa 120
 gaaaccgcgc ccagcccaga cccctcattc ttaaagaata gtacttcttc tetaagtgat 180
 aagatcctga tgaaactgtt aaaattcagg ccagcgtctg ag 222

<210> 1313

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1313

gaatttcggg ccgcgtcgac gtaacaacca gttgagaaaa agggaggaac tgaagataac 60
 tcaggttttg agctagggta gaggaataat ttggaaggag aagataacaa actgcatttt 120
 aqaccacttc agatggaagc ctccagaagg catcattgtg aaaatatcca gcaagcccat 180
 ggaaatgttg agaggtcaga accaaataaa ctcgag 216

<210> 1314

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1314

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gaattcgcg cgcgctcgac acagctctct cctcatttta atccaagggt agagttgtaa 60
tcttgagaac agccaggatt cacagttgaa aaataattta aaaagctctt ctgggggtat 120
agatttttag ttcaaaaaaa catatcaata ttcagagtta tacagaaact gacagagggt 180
ttatttttaa aagattcaga agaattggatg actcatactc ttcaactaga ttcatcacg 240
ggatgctega g                                     251
```

<210> 1315

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1315

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gaattcgcg cgcgctcgac attagagaat aaaaggggaat gacttaaaat tttccatgt 60
atgtattgat ttatagatta tttttctgta cggtttgtaa aatcacatgt tttttctttt 120
tttgagacag ttttactctg gcatctaggtc tggagtgcac tggcgcaatc ttagctcact 180
gtaacctcgc ccacctcga g                                     201
```

<210> 1316

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1316

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gaattcgcg cgcgctcgac acctgaagt gctcttagag aatgttgccc agggcagtag 60
agcctccctg gtggcaactg tgcagcacc acctgcaca gcccggcaga acctgcctt 120
gccctggcca tctctgtctc tgagattcac caggaggtt agcttggtta taggtgagct 180
gttaagagta ggggtttgtg ttcttggaa ttagggctta ggagccacac atttcttct 240
tgcccagctc ttgcttgctt agaccatttt ctttatcttt ttcaatgaac acctgtcaaa 300
gtgtgctctt tctcccatc ctctcgag                                     328
```

<210> 1317

<211> 254

<212> DNA

<213> Homo sapiens

<400> 1317

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gaattcgcg cgcgctcgac caaaaacatt aaaaaacttt cctaagtcac cttagagtgt 60
tttaaaaact ttttttaact gtatcacact gctctcgat agttcaagtt aattatctta 120
tttgatatct tagacttggc acagtgtctg tgttcccagg tggctgaata cttaaggctaa 180
atattagctg aatgccttcc atgtgtctca cctgtctatt gtctagaaaa ctaaaatcta 240
ggctgggact cgag                                     254
```

<210> 1318

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1318

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gaattcgcg cgcgctcgac tccgtattta gttttctttt ctctgtgttc aatctctgga 60
tttgaccctc tagctccctt ctagctttct gttctcatt gtttgcttct tttctctctt 120
ccagctgatg ttcaacttgt tttctctgtt gtttcaaaga ttgatgggtg tcaatcagtc 180
gaactgatttt tatggacctc gag                                     203
```

<210> 1319

<211> 271

<212> DNA

<213> Homo sapiens

<400> 1319

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gaattcgagg cgcggtcgac ccacttttta gtagggaaaag acactttctac cacaacaate 60
aggtaatttc ctcatatttg tgaatatgga agtgattgaa tgtttctata ttatttttga 120
ttctataaat aacttcataa gtctctgcac acaaataaggg tcagattaag cctcgacttc 180
tccaaagagt tctcaaaaca cgaagaacaa acttttaagt ctcttgatat tcttcattga 240
ccatttatat ttagttgctg gtaactcga g

```

<210> 1320

<211> 576

<212> DNA

<213> Homo sapiens

<400> 1320

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gaattcggcc aaagaggcct agaagctgat caagtttctg gccttgcaga gaatacatca 60
gtttttcccc tcccgggtcc aaccttcacc gggcagtgct gggacacata agctggcttc 120
tggagggcac cacatagaag tgcataaaga ggaggtacag gcccgagctg tgtttctacc 180
cctcttaggg ttgggaggag ctgtgaacat gtgtctatga acctctaca tggggacagg 240
agctgacatg gatgtgtgcc ttacaaacta tggctactgt aactacgtgt cggggaaca 300
tgctgcata ttctacgatg agaataccaa acattatgag ctgttaaact acagttagca 360
tgggacaacg gtggacaatg tgcctgtatt atgtgacttc tgggagaaga ccccgccaac 420
cccccaagc agtattgttg ccaaagtgcg gagtgtctac aggcgcgcgc ggcaccagaa 480
acaggacgaa gagccaagtg aggaggcagc catgatgagt tcccaggccc aggggcgcga 540
gcggagaccc tgcaattgca aagccagcag ctcgag

```

<210> 1321

<211> 115

<212> DNA

<213> Homo sapiens

<400> 1321

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gaattcggcg cgcggtcgac ggctctctac taatcaataa cacaagtgtt aagttctaaag 60
tatttaaaaa aacaaaagac tgcaggtgac tctttctctc aggtctccatc tcgag

```

<210> 1322

<211> 557

<212> DNA

<213> Homo sapiens

<400> 1322

```

gaattcggcc aaagaggcct agacagaaga taaatgaaag tataaaaaaa cctttaagta 60
gtaaagaggg cactcaaaag tgtatttctg ggcatagttc tgtcttccca gtagggtaga 120
tgtcaggctc atctgttaat aaaagtcaac accaaaaatga tggtaggaag ttgttggttt 180
tgggggaaag ttcaaaattg gggctgtagg acatgtaaat catgaagata cgatttttta 240
aaatagccaa atagtaatat aggtatgcta tggtagagat cttgattgtg catccattaa 300
tgtatagtgt gcttaaaatg tctataggct aaggaattat tttagctttg atatgtggac 360
aggaaggagc ctctgaaagt aacttgaaga aattgatatt ttcagctttg tagcatcata 420
tagtctaatt ggaatggaca gagatgtgag gcagagatat caggaagcca ttacaggagg 480
cgggtgttgg tgttgtaaat agtgactgcg gcagagagaa cgaaattata ttgtaaagtg 540
agagacagct actcgag

```

<210> 1323

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1323

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gaattcggcg cgcggtcgac caagcagcag cgagtaccag tccctttctt gttctgttga 60
caaagctcacc ctctgtcacc tgcataacat catgaaggct tccaccactg tcttctgtgt 120
tctttctctgt accatgacac tctgcaacca agtcttctca ggcctatctg agctgacac 180
cccgactgcc tgcctgttct ctacagccg gaagattcca cgcgaattca tggttgacta 240

```

ttttgaaacc agcagccttt gctcccagcc aggtgtcatt ttcctgacta agagaaaccg 300
gcagatctgc gctgactcca aagagacctg ggtccaagaa tacatcacta acctggaact 360
gaatgccgta ctcgag 376

<210> 1324
<211> 372
<212> DNA
<213> Homo sapiens

<400> 1324
gaattcgcgg ccgcgtcgac caaagtgatg agcatggttt cctattcctt tctggagatc 60
gtgtgtgtct acggctactc gctgttcate tatatcccca cagcagtcct gtggatcatt 120
ccccagaggg ttgttcgttg ggtccttgct atgattgcc tgggcgtctc aggcctctgtg 180
ttggtaatga ctttttgcc agctgttcgt gaggataacc ggctgtctgc ctggccacc 240
attgtgacaa tctgtttgct tcatgtgctg ctctctgtgg gctgcttggc ttacttcttt 300
gatgtccag agatggacca cctcccagca gctataacca ctcccaacca gacagtaaca 360
gcggcactcg ag 372

<210> 1325
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1325
gaattcgcgg ctgcgtcgac aggggaagggtg ctatagagag aaatttaaatt tcacaaaagt 60
ataaaagcaa agactggcta aaatctgtaa ctcatgagt aagaataaca acaataaccc 120
attctataat taactcctcc acagtgaaca atctgtaca cttccttga tgaggaaatga 180
acctagctta ccacagtgga aacctgccac aactgcaagg ccgggggttct cgag 234

<210> 1326
<211> 537
<212> DNA
<213> Homo sapiens

<400> 1326
gaattcggcc aaagaggcct aggatctgta atgttgatta gtctttagcc ataaccacta 60
cacttttaga aagacagaaa aatqtaagaa ttttttttta ccataatgag tcttaagtag 120
gttcatgac tacattgggg cctgggatta tttttttaat ttttaagtctg catgagatag 180
cctaataaat ggaggtgggg ccaggcatgg tggctcacac gtgtaatccc aacacttttg 240
gaggttgagg aggaaggata gcttgaggcc aggagtttga gactagactg ggcaacatag 300
caagaccccq tctctacaaa gcacaacgaa aaacaacaaa tggagtctgt ctatgttqta 360
ttgcttttga caaaattagg aacaggctgt tgacaattga atttgcttct tgtgaattct 420
aacctctaaa ggcctgctta gaggtcaagg accttctgt gtagttgggtg caaaagcaat 480
ctccacagga cagcactgct tccatgcttc atacatcagg aaatgaggcc actcgag 537

<210> 1327
<211> 206
<212> DNA
<213> Homo sapiens

<400> 1327
gaattcgcgg ccgcgtcgac caaccatttt gtcctgcact tcttcttctc tctagagcct 60
ttgaagcatt gtattttggg aaaattcttc tgtaaatact ataactttta taaatggtta 120
agttatttag aattatctcc agtgcttact tctccctctt tctgtataaa tctgtactt 180
caattaagtt ctctccactc ctcgag 206

<210> 1328
<211> 178
<212> DNA
<213> Homo sapiens

<400> 1328

gaattcgagg ccgcgtcgac atttgatacc ttgtagagcc ttccactaag tattccagcc 60
 gccacatggg gtcacccatt gaccctggac cactgccttc accacttcat ctcatcagaa 120
 tcagtgcggg atgttggtgtg tgacaactgt acaaagattg aagccaagag aactcgag 178

<210> 1329

<211> 162

<212> DNA

<213> Homo sapiens

<400> 1329

gaattcgagg ccgcgtcgac catgtgggtg gctgtattac tcatgtgtca gatgtaccag 60
 atatcatgtt taggtattac taaaaatgaa agaataaatg ccaggagata caagcacttt 120
 aaagtcacaa caacgtctat tgaaagccca ttcgtctctg ag 162

<210> 1330

<211> 223

<212> DNA

<213> Homo sapiens

<400> 1330

gaattcgagg ccgcgtcgac gtctctcaaa aaaaaaaaaa aaagatcgtg tgtcacctgc 60
 acacaacatt cacaaactaa agccaaattg tattttttaa atttctcttc tcccttcttg 120
 ctccctcgaga ctgttttgat tgacatcttt tgtgttttca tatttctcga ggcagtattt 180
 tctttgtatg ttaatcatag ttatagttaa gtcagcactc gag 223

<210> 1331

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1331

gaattcgagg ccgcgtcgac gttctctaca acagaagcca agaaggaagc cgtctatctt 60
 gtggcgatca tgtataagct ggctctctgc tgtttgcttt tcataggatt cttaaatctt 120
 ctcttatctc ttcctctctc tgaactcagg gaaatatact ttcaactctc agcactctat 180
 gaagacgcgc gcttaactcc ggaggagcta gaaagagctt ccttctactc cgag 234

<210> 1332

<211> 137

<212> DNA

<213> Homo sapiens

<400> 1332

gaattcgagg ccgcgtcgac ttgtgcatac tgtaagcaaa ttgcttagct tctctagaca 60
 tcaactgtgt tgaagatttg cctagcacat ataactaaat ggtgctcact tgcactgcac 120
 tcacacactt actcgag 137

<210> 1333

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1333

gaattcgagg ccgcgtcgac cgagtttctt tctttcagta agacatacca aagtctgtgt 60
 aaatcttcat tacttttgtt ccttaggttg tgacaggctc atgtgtctcc agattttact 120
 tttctctgac cccagtcttt tgggtcatca aaaaattctc gttgactaga cctgcctcga 180
 g 181

<210> 1334

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1334

gaattcgcgg ccgcgtcgac tgcataatata ccataaacac tgtgaagaag caaccattag 60
gcacaggaat ccagccagat aaattaagta gaaatgctca tctttcattt atgcctcgag 120

<210> 1335

<211> 157

<212> DNA

<213> Homo sapiens

<400> 1335

gaattcgcgg ccgcgtcgac gtaactgaag attaaaggcc ttactgagga gtatccaacc 60
cttacaacct tcttcgaagg agaaataatc agcaaaaaac accctttctt aactcgcaag 120
tgggatgcag atgaagatgt tgatecggaac actcgag 157

<210> 1336

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1336

gaattcgcgg ccgcgtcgac gtaactgggg gttctctctt tctttgcttt ctctctctct 60
acctaccctt ccactcacac acacacacac acacacacac acactttcta taaaacttga 120
aaatagcaaa aacctcaaac tgttgtaaat catgcaatta aagttgatta cttataaata 180
tgaacttttg atcactttac tcgag 205

<210> 1337

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1337

gaattcgcgg ccgcgtcgac caagctcttg ctatagctcc tcttcaaaaa cacttcacag 60
ctcatcacgg cctgtagaat agagcccaaa ctctttttta gtgggtatacc aagcccttca 120
tgatctactt ccactatcca gccctattta ccctcgctct tgttccctat ctgctatccc 180
actgcaaacg acatgcagct cccctcgag 209

<210> 1338

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1338

gaattcgcgg ccgcgtcgac cacttttaag atagaaaaat ttttaggttt ttgttaccaa 60
atctgtcagt cttttacttc attgtatttt tcagttatgg ctagaaagac ctcttctacc 120
acagattata tatttatttt ttctactaac ttcttatctt ttttatgttt caaaatttac 180
atttatcttg aatcagttat gctcgag 207

<210> 1339

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1339

gaattcgcgg ccgcgtcgac tgattggaaa tggaaactga aacccggaagg caggagatgt 60
atgctccctt gggatgatat gggaaatcac acagagctat tagtacttca ggcattggat 120
ttgctctcat gctatgcata tgggctctac aactcgag 158

<210> 1340

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1340

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gaattcgagg ccgcgtcgac accagaacag agagggttaat ggtgtccacc acacgtcttt 60
ctcattcttt tctcctttat cttcactctg atttttcttt tgcattcaa cgttactcc 120
cttccccata cctcagtcct ccaggtgaca cctgggctct tttctgctg aacagcatte 180
cccaccaact cgag                                     194

```

<210> 1341

<211> 236

<212> DNA

<213> Homo sapiens

<400> 1341

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gaattcgagg ccgcgtcgac agtaatccca tgtacttatt tcttaaatac ctaggaagtt 60
cttcttggtg gctcctcttg gccctccctt ctttctctcc caaccacca tcttgcaagg 120
caaggaatgg cctctccctt cacagaggca acggctgcag agggagcact gtggctgcca 180
tcccagttcc tcttcaaagc caaacagaca cgcgtgactc aaatccaaca ctcgag   236

```

<210> 1342

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1342

```

gaattcgagg ccgcgtcgac catactgtat tattttgaag cggatcttaa acagtatcta 60
taagtattta ttcattcata agcatttcag tatttgcttc taaaagataa ggcctctctt 120
ttaaatacat tatcacacct aagaaaaagt taataattcc ataatatcaa catatagtca 180
tatgtttaga ttgccagttg tttcacaat gttatgtgtg tgtatacttt tcagtttatt 240
tttgactcag gatccctctg ag                                     262

```

<210> 1343

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1343

```

gaattcgagg ccgcgtcgac cccctgcctc gaggagatta tagtctatct ggagagatag 60
atgggtcaaca aattattaca taaataattc atacagttgt gataggtact acaaagaaga 120
cgtataagtt gctatgaaag tttataatag gggaatttta cgtatccttg ggctcgag   178

```

<210> 1344

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1344

```

gaattcgagg ccgcgtcgac attttccttc cttattttgt tatacatacc attcctcttc 60
tccctgcctt ttgtacatt cttctctctt cctctacct ccagcacat tacttactgg 120
tgctgtgctg tgtgtcagaa gataaaaacg gtgtattatt gtataatgaa ttttgtatac 180
atgtttatga aatggctcga g                                     201

```

<210> 1345

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1345

```

gaattcgagg cgcgctcgac cccagcttaa ccatataatc tctgtgactt tgggtgaatg 60
attgaaacga tctgtgctcc gtgtcaccat ccacacggta gggatcacag ttggctctctg 120
tctctgggag gtctgtgggc tttaaatgag acagtagaga tgaagtgcct agagctgtgc 180
cccgctgcctg gccagtgctc aatgagatgg tctcagagta ttatggctgg agtcaccact 240
tgtattacca ggaagcccag cctctgtgat tacaggatcc caactatggt gactctgcac 300
ctctctcttt ttctcttctt ttctcattcg tcttattacc atttctgaa attaaatcag 360
aacacacagg ggtcgcacct cgag 384

```

<210> 1346

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1346

```

gaattcgagg cgcgctcgac gaggagagat cgaattcgcc tcttctcttc aggcctctct 60
gtctctgtct tttgtttgga tgccggcgct gctgcctgtg gccctccgcc tttgttctt 120
accccgagtc ttgctgacca tgccctctgg aagccctccg acccagccct cgcgggcttc 180
ggattccggc tctggtacgc ttccgggctc ggtctctgca gcctttgtta cttgcccccc 240
ccagctcgag 250

```

<210> 1347

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1347

```

gaattcgagg cgcgctcgac ctggtctctg gcaagtcgc ctacttgttt gtcaagctgt 60
cccgcttggt gggaaggctg cgtcttggtt ttacgcgcgt gcccttcacc cactggttct 120
tctctctctg ggaagaccgc ctgctcgact tcgaggtgct cctccagttt gaagggcggc 180
ccatgccccg gctcacctcc atcctcgctc accagctcaa gaagatcct aagcgcaagc 240
acacctacc gaattacaag atcaggttca agcctgtttt tccataccag accttgcaag 300
gatttgaaga agatgaagag tctctgag 328

```

<210> 1348

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1348

```

gaattcgagg cgcgctcgac ctctggccta tgaattgtgt gtgtcttgca ttaaaaaaaaa 60
aaatttgaga gtggtagaat tacttctgtt atctgaaata cctgagatgc actttaaact 120
gttgagatgt ctactcgag 139

```

<210> 1349

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1349

```

gaattcgagg cgcgctcgac cagaaagtae aaggagacag agaaaaaatc cgtcttgaca 60
agccacatcc atgattgatt gtaaggggat tattataatt gatagcttct ctatcanggg 120
attgctagta tcaattgtac ttgctgggct ttttaaagga acagactcac ccagag 175

```

<210> 1350

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1350

gaattcgagg ccgcgtcgac gtttgggttt tacatacaag caatctgcac ttgatttta 60
 aaaaagtctt aaaatttttt aaaggatggg gtcttgctat attgccaggg ctggagtga 120
 gtggtatttc gcaggtgcaa tcatcatggc acattacagc ctogag 166

<210> 1351

<211> 192

<212> DNA

<213> Homo sapiens

<400> 1351

gaattcgagg ccgcgtcgac attcattgtg gtgctatttg tttttacctg aatgtttgtt 60
 actaatcttc ctttcataga acctctattt tttttttttt taaacttgag ttgagtctt 120
 tgttatggtc atcataaggt aatgggttagc atgtttaaag atattctctt tccaaatccc 180
 agcgaactcg ag 192

<210> 1352

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1352

gaattcgagg ccgcgtcgac cataatgttt gcaaagaagc attttctatt ttgcttctt 60
 tttgtttttt tagagacagg gtcttgcttc gtcaccagc ctggcatgca gtggttcaat 120
 catagctcac tgcagctcca aacctctagg ctcaagcga cctcccactt cccaaagccg 180
 tgggattaca ggcattgagc acagtgcctg gtttattttt gcctttctta agcatgggtc 240
 cttagagcatg gtccctcccc taaaaatctc gag 273

<210> 1353

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1353

gaattcgagg ccgcgtcgac gcttgcgctg ttccagcttg tcttcattta aacttggtgt 60
 tgcctctcac ctgctctctg catcttacag tgttctctt taggtattat cttcaccttg 120
 acgcocgaac ccaaatecag atttatcccc ggtgtttgac tgatgcagct cttgcagatc 180
 accttccatg tgcctctcga g 201

<210> 1354

<211> 211

<212> DNA

<213> Homo sapiens

<400> 1354

gaattcgagg ccgcgtcgac aaataagcca cagtaccaag ggttgatttc agtaagcaag 60
 tcccacaaac tttctgggaa gctttaagaa aatgaaaatg ctctctcttc acctttgcag 120
 ctgctgtacc ctctctctac ctctgttgac tgcagcaggt cagagtgggt ctgagggcct 180
 ctctggcaag gctggcctgc cccacctcga g 211

<210> 1355

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1355

gaattcgagg ccgcgtcgac aaaggagacc ccgtcaaaaa aaaaagtact tgtcccaaaa 60
 gtttttgggt cctagcttag aatttataat cagattagggt ttggagata aagtatatgt 120
 ggtatttttt ttttgagaca gtcttgctct gtcacagggc tggagtgcag tggcgcaatt 180
 tgggtctact gcaacctcca cctcttgggt cactcagag 218

<210> 1356
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 1356
 gaattcgagg ccgcgtcgac tgttactcta atattaccca agattttctc cagccgtgtt 60
 ttactcttac ttgaaacag ctgttttaaaa tgactcgtaa tctgcttaaa tctacatgct 120
 ttttgtggtt ctcaatccag ttacctacct tccagataat tccctcactg tctgtctctc 180
 tccattctct tgatgtctct gag 203

<210> 1357
 <211> 151
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 <213> Homo sapiens

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 tgacattggc agtagttcca gtaagctcga g 151

<210> 1358
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 1358
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 atatttgtac ttttgtgaga tcttttttgc tgttttaacca ttttaagctt ctgtacttgg 180
 ctacacacag attgtatttt tatgtttaat gctctcttta tggatagccc tcgag 235

<210> 1359
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 <212> DNA
 <213> Homo sapiens

<400> 1359
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 ctaccacgac ttttttacta acattttaca gttgatccag tccctgtga caacccccct 120
 tgggctgac atgttgaaga caacttcaga agagctggct tgtccccgtg agcaactcga 180
 g 191

<210> 1360
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 1360
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 acttgccttc agaagctat cttgggagga cacacaccag ttatcttaag gttccctgac 180
 tcgag 185

<210> 1361
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 1361

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 cctgcctttt gaagtctttc ttctctttta ttgggtttt cagttttatc agggagacgc 180
 ttccagccct gtgcagcata ggctgtaatc ctgggagtag ggacaggaaa ggggaatgtg 240
 ttgagagtcc ccaaggccac cctcaggctc agctcgag 278

<210> 1362

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1362

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 ctgtacttta tgtataaaac aaagtcaatt ttctccaagt tgtatttgct atttttcccc 180
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<210> 1363

<211> 283

<212> DNA

<213> Homo sapiens

<400> 1363

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 gttgctcagg agccacatgc gatttgcgtg gcattgtgac tgggtggacag cagacccttc 180
 ctctctcaga ggctacaccg cctccccaca ggcttggtgc agaccagagc tgtcacaggc 240
 acttgtgagt gtggagtgc cagagagtag aggcctatct gag 283

<210> 1364

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1364

gaattcgagg ccgcgtcgac ccattcttcc gtattgggtg ggggtccttg ttctctatcc 60
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 gttggctgct cccacaccgc ctcccgcttc ccccgaggt tatgtcagca gctctgagac 180
 agcagatcca caggccctcg ag 202

<210> 1365

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1365

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 cccaccttct cctttcgaga aaggatgaact cacaagagtc ttgtctacct ctgggttccg 180
 tgcagtcttg tggcacttgc cctgggtgac ctactgttat ggcattgctgt tctcatcagt 240
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<210> 1366

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1366

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cacaaaaata gtttttaaa gaaaaagtac agtatttctt taataaaactg gctcacagtc 180
 tggtaggtct acaaccccat agcacaacag gtttatagag atgtatatag aattatagtc 240
 cttatttttt tcttttgcgt gaaacctttt ataacagatt aacaatcaac tgcataaata 300
 ttattaatat tttaaaaaga gttaagttgt attttgataa ttcacaaact atcatgcacc 360
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<210> 1367

<211> 291

<212> DNA

<213> Homo sapiens

<400> 1367

gaattcgagg ccggtcgac tgtctggctt ggtgcagtta ccacaccct caactcaaaa 60
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 ccttgacag tagcaatgct gatttgccgg ctggtaactt tggctgatcc aggacctgta 180
 aacttcattg ttgggtcttt tgtggtgatt gtgatggttg cctggcttat agttgcctcc 240
 acagctttcc ttgctgatag ccagcctcca aacgcagggt ttctccctat a 291

<210> 1368

<211> 242

<212> DNA

<213> Homo sapiens

<400> 1368

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 gcggcgagaa tggcagaagc tggcccaagg tccagagctg gctgaagatg atgctaactt 180
 cttacataag catattgaag ttgctaattg ccagcctct cattttgaaa caagacctcg 240
 ag 242

<210> 1369

<211> 212

<212> DNA

<213> Homo sapiens

<400> 1369

gaattcgagg ccggtcgac accaccttct tcagcaaccc aaccacctca ccttgagaaa 60
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 tttcttttga aaataggata atgggtggaa ttttcagagt gattacatac ctcaacattt 180
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<210> 1370

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1370

gaattcgagg ccggtcgac gaaaaaacac agaccccttt aacctcttta tttctgtccc 60
 ccactgcatt aacatttata caattttaaa aatacttctt cataggatgc tttggccctt 120
 cactatctta atcagagcta catacctatt tttataaagt agcagtcac atttcaaaagg 180
 gcatctcgag 190

<210> 1371

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1371

gaattcgagg ccggtcgac ccagccaaqa ccacctgaa gaaagcctat tacctggcat 60
 gtggatcttg tggctggaag tctagagatg tgggcatggg agacaaatct gtagctagtg 120

gagggttgga ggaacctgaa aatccacaca cactcgag

158

<210> 1372

<211> 114

<212> DNA

<213> Homo sapiens

<400> 1372

gaattcgagg ccgcgtcgac ccgcgtgta ctttggacaa tggaaatcta cttttcttt 60
tccctttttt ttttttgag acagagtctt gccttgtaac ccagggctct cgag 114

<210> 1373

<211> 193

<212> DNA

<213> Homo sapiens

<400> 1373

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tctgtactac ggaggaacag aatccatgga gatccccacc actgacatcc tggagctgct 120
gtcagctgcc agcctgtctc agctggatgc cctgcagagg cactgcgaga tctgtgctc 180
ccataccctc gag 193

<210> 1374

<211> 204

<212> DNA

<213> Homo sapiens

<400> 1374

gaattcgagg ccgcgtcgac caaggatcaa gctcacaagg gatctgttag aggtgtcgca 60
gtggatggat taaaccagtt gacagttaca actggtagtg aaggattact caaattctgg 120
aactttaaaa acaaaatttt aatccattct gtgagcctca gttcatctcc aaatatcatg 180
ttgtacata gggacttact cgag 204

<210> 1375

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1375

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ggaagtaata ataccagtat cctttttctt gggcaaacct taatccctca tggcttttagc 120
attcattgat gttttccaca tgaatcgata cctctatgac gttgccagat cctgtttctt 180
tatatccgct attcctcttg cttttgttag ttggcattct actgtaagga ggtgctttct 240
attttattca gtgagtgtta atccattact tttattattt atttattta ttttaaatgt 300
cccattctct gag 313

<210> 1376

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1376

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aaccatctct ctgccagaa tctccttcca agttgaagct tcaggagttt gggctctctc 180
agggtacatt attggtccga taagattgga aaacactcga g 221

<210> 1377

<211> 168

<212> DNA

<213> Homo sapiens

<400> 1377

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gaattcgcgg ccgcgtcgac gaaaaggaaa gaaatgaaga gaattcagag acttccatta 60
ttattaatac ctatttlatt gattctgttt ctagecctga gtcgcgcct aacttgcctat 120
aggatctctg gtaaatcatt tectgtaata agcagctgtc acctcgag 168
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<210> 1378

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1378

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gaattcgcgg ccgcgtcgac tggatatatt ccagctgtag ttgccagtg ttacttaac 60
acatctacat ttcttctctg tctatttttg tcccttgat aggaaaaget ataattttag 120
gcaggactat acgtcgattt gtagccatgc ttccttctt tcccttgcct atcgctcgag 179
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<210> 1379

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1379

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gaattcgcgg ccgcgtcgac cataaaccac agaaatagta taacacacta tttttaaatt 60
atcgttttcc tacttaaatt ttgttttagct taagaattct taggacattt gtaaaagcag 120
gttaaattta ataaggtttc tgattttttt ttgtaaccgg agatagtttt tacaagttaa 180
ataacatttc agctaaataa aacatcgcta aataattgat atttgatgaa aatctgctcc 240
tgctcgag 249
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<210> 1380

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1380

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gaattcgcgg ccgcgtcgac ttctagacct acccccagtc cgcaggaacg ttagaaatgg 60
atatacacta aaccataaag agtttgcctg ctttatggca atgttgccga agctggtgaa 120
catttagtaa aaatgcaaaa tgttctggca cctttaaaaa catctaaact tgtttgctct 180
tagttcttgc aatgccaccc atacacaaaa gttattaaat attctcttgt gcctgctcac 240
tacttgtctc gag 253
```

<210> 1381

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1381

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gaattcgcgg ccgcgtcgac ggtgccaaag actactctca aaactaaagg ctattttccc 60
tgccattaaq ccacagactt cagtcacatc agtctactgc tttctctca aacacatcat 120
gttctttcac atctctctcg ag 142
```

<210> 1382

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1382

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gaattcgcgg ccgcgtcgac aagacaccag atgaaagtac aaaaactaaa gatcaatcc 60
tgacttcaag aatcaatgca gtagaaagag acrtgtttag gccttctccc gcagaccaac 120
tcgggaatgg ccacaggagg acagaaagtg aaatgtcagg caggatcgct aaaatgtctt 180
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tgagtcccag cagccccagg caccaggatc agctcgag

218

<210> 1383

<211> 191

<212> DNA

<213> Homo sapiens

<400> 1383

gaattcgagg ccgcgtcgac atcaactata ctggaatgct cttgggtgtgg ttgcatgtta 60
cagtgggtatt ggaaattatg cccttgcaca gcactgtttc atcaaatcaa tccagtcaga 120
acaaattaat gctgttgcac qgaccaactt gggagtgtta tacctcaca atgaaaacat 180
tgcagctcga g 191

<210> 1384

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1384

gaattcgagg ccgcgtcgac gaccccagca actacgagta tctgcggcag ctgcaggctc 60
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gaggcctgtg caacctgtgc ccagacaggg ccaacaagga gcacatcctg cagcaggaag 180
gtgtcccaact catcatcaac tgcctatcca gccccagtga ggagactcga g 231

<210> 1385

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1385

gaattcgagg ccgcgtcgac ataacaata tacacatacg acaggcaaca agcttgtttt 60
tgatttgcca gacatgcac atggctatt gtttgttgtt ttttgtttt ttgtgtttt 120
ttgggttact ttgaaaatga gccagaacct cgag 154

<210> 1386

<211> 213

<212> DNA

<213> Homo sapiens

<400> 1386

gaattcgagg ccgcgtcgac cgtctggaac atgcgacttg tctttttttt tggcgtctcc 60
atcatcctgg tcttggcag cactttgtg gccatctgc ctgactacag gatgaaagag 120
tggtcctggc gcgaagctga gaggcttgtg aaataccgag aggccaatgg ccttcccatc 180
atggaatcca actgcttcca cccaagctc gag 213

<210> 1387

<211> 187

<212> DNA

<213> Homo sapiens

<400> 1387

gaattcgagg ccgcgtcgac acaagattgt gatttcatta tctaaacctt aaacttaac 60
ctttaaattt tctagctttt ggttgcactt qccccaagta ctattccagg caaattaaag 120
ctggaatacc ttaataata taaaaataat gatagtaa atctatacttc tgttggccca 180
tctcgag 187

<210> 1388

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1388

gaattcgcgg ccgcgtcgac ctctctgatg accagcccaa gcttccttgc ctttaattcg 60
 tcatgcagca ttgcacttaa aagttcaagc ctggagctgg atttccaagt accattctgt 120
 tttctcactt ggggaatgca gttatggctg gacttgcaca gcggtcacc cctcgag 177

<210> 1389

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1389

gaattcgcgg ccgcgtcgac gattgaattc tagacctgcc tegagcttat gccctatctt 60
 ttttaattant attatcttta acttttggga cacacaaaaa tcagcaattc tcatgaagct 120
 cctcgag 127

<210> 1390

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1390

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 aaacacataa aaagcctaac ttgaagaatt aaaatttcta ttttttatct gtataacaag 120
 tacaacccat caacaatgac aaattttcac agctgcttgt ttattgcttg ttttatatgt 180
 ttacatatct caaaatctgt taaaactgca ggtctcgag 219

<210> 1391

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1391

gaattcgcgg ccgcgtcgac ttttagatga cgaagtcac aaataactag agaatttttg 60
 ttatctgttg ttaagttaga atgtataaac atttatcact aaattgcaca ttgcctttat 120
 ttatttctgc tctgtttttg gtttacagtg taataataac tcattttaaaa aataaaaaac 180
 gactcgag 188

<210> 1392

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1392

gaattcgcgg ccgcgtcgac gttgaaaaat gttatttttc actcgatgtt caaaaactcc 60
 taggaaagca ggggcaaaag actttttttt tttttttccc tcttcattgt tggtcattga 120
 aaagacttta aagagagaaa atgtctcttc cccacttctc tatatacatg ctgggaaaaa 180
 aaagaccgga aggagctcga g 201

<210> 1393

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1393

gaattcgcgg ccgcgtcgac ccgcgcctatg cagactgggtg tcaccgggat catgattgac 60
 cgtgggcgcc tgcctcaagcc gtggctcttc accgagatca aggagcagcg gcactgggac 120
 atctcgtcgt ccgagcgcct ggacatcttg cgggacttca ccaactacgg cctgnagcac 180
 tggggctcgg aaacgcaggc cgtggagaau acccggcgct tctngctcga g 231

<210> 1394

<211> 128
 <212> DNA
 <213> Homo sapiens

<400> 1394
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 atagtgaatt taaaagttat atgcagcaaa tgtgtagtat ttttctcatt tcaaccttca 120
 ttctcgag 128

<210> 1395
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1395
 gaattcgagg ccgcgtcgac gcaggatgag attgggaact agaaaaccat ttgggacccc 60
 taaagtggta ttgtctacta tctgtacatc attctcttac agctcttact gctgcttttc 120
 ctgtcagtta ccccatagct ccaggatata catgttaact gttctctgaca catgttagaca 180
 gaaccaatat gatctcgag 199

<210> 1396
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 1396
 gaattcgagg ccgcgtcgac ctgagattat aggtagtggg caaacaattg ttattatgct 60
 cacaggcaat ataaacattt tattctact ttttacttgt gtatgcttat cattgggaagt 120
 aaatataaca gactttgcgc ttctcgag 148

<210> 1397
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 1397
 gaattcgagg ccgcgtcgac gagaatatata tccagttaga aaactgctat ttgcaaccc 60
 tcagtaaaat aaatgaaatt gggaaacatt aatcaacaaa agtacaattt ttaaattgtg 120
 atctggagac aaacctgtgt ctggtcagag ctacctacg ctatgaactg cctggctgta 180
 catgacctat ccaatttcac agctgaacca aacttactta ccacctacat tagttttaac 240
 actacactcg ag 252

<210> 1398
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1398
 gaattcgagg ccgcgtcgac cctaaacccg cgattgaatt ctgacctct ctcaagacac 60
 tcttcacccg attttttaac ccatttaaaa aaaaaaatct taaagccaaa attagaaaaa 120
 taactcccta cttttccaaa gtgaattctg tagtttaatg ttatcatgca gcttttgagg 180
 agtcttttac actgggaact cgag 204

<210> 1399
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 1399
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atgggttggtt ttggatatac tacagcgatg gctattgagg agtatccctgc tggatcctgt 120
aggteagctc ctgctccctg cagcaaccgc ctccgataac caticgcctcc atctcttctt 180
cctgacgctc cgcgtccctc agcgaggagg cactccctcc gtgggcccgc cctgaggctt 240
gggcgcgcgc tgcacccctc tctcgtctgt cctctccctc ggccgcgggt ggccggcctt 300
cttctccccc agccggctcc atcgctcccg gcgtcccggg cacactcatg ccccggcagg 360
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<210> 1400

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1400

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gaattcgagg ccgcgtcgac gctggaggca gccgctggag gtagccagca gcattgcaca 60
aaagcttttc ccactcagtc ctcttccatg ccttccctgaa gccactttta atactgcaca 120
tctccctaat ccacagggag actgaagatc ttggggattt caaaaggatg tacagcagt 180
aagatgcctt gagtaggatg ttacacagag cagccagctc cttatccagc atggccgctt 240
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ttgacagggt gctggcccag gatcaagatt cccctccagg ccaccgctcc acctggggag 360
gcctcagccg cggccgtagc cgcggtggcc tccataacgg ctgcagtcgt cccgcctag 420
agcctgggtt tggagcctcg ag                                     442

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<210> 1401

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1401

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gaattcgagg ccgcgtcgac gaggtatcgg cttattatat gcttcttctc catgggaagt 60
aatatattaa aattcatttt tatctacagt gtggcccttg gtggggaaaa gctccccatt 120
cctgctctga ggagtgaact ccaatactgg ggcttgcctc tgggtgctgc cacaccccag 180
agagaggcga tgcaagcctg ctcccaggcc tgcctctccct cctcgacaaa ctggccatct 240
gttcttgggg aaaaagagca gccttccrct atcttccctg ag                                     282

```

<210> 1402

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1402

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gaattcgagg ccgcgtcgac gcttccctct ttctgataaa tccagtccca agttccctat 60
tattctgaat aaatgaaata gcttctggta gacagtaatt ttctacatga ggaggctgatt 120
cctgcattgag ataatcagca atgtattctg ttctcaagca gtacacgttc tgggcagcag 180
cttctgctat attaactctt gactcatctg gtttcaagtt attcaagtca gaaaaaagat 240
gtgtggcctc tttaataaaa ggtacagaat gaccaggtag cacccttgcct cctccctgact 300
gaagaaggcg ttggaagcct gcttctcgag                                     330

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<210> 1403

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1403

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gaattcgagg ccgcgtcgac ctgggtgctt ctcattcttg ttatctctta ctctgcagtc 60
tcccaccccc tacttggaat ttgttggtgt tgtttattgc attttcttat cctgcctggt 120
tctcaccctt tttttccgc atgggcgtat caaccttgct gggtgtgtgt ggctcccg 180
ctagctctga ccttggcctg gccttctggc tcccacccag ctcaatccct gcttttggtg 240
cttcgttggg caagagttcc ctgagat                                     266

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<210> 1404

<211> 256
 <212> DNA
 <213> Homo sapiens

<400> 1404
 gaattcgagg ccgctcgac cctaaaccgt ccccatgaac tccgcaactca tcaagtggct 60
 gtacctgect gattttcttc gggcccccaa cctccaccaac ctcacacagc actttctctc 120
 gctgctgtgc gcctcccagc agtggcaggt gttctcagct gaggcgacag aggagtggca 180
 gcgcattggc ggcgtcaaca ccgaccgcct ggagccgctg cgggggggagc ccaaccccg 240
 gcccaacttt ctcgag 256

<210> 1405
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1405
 gaattcgagg ccgctcgac ggtggcattc gagaggctgg tctggaactg tggttggggg 60
 aggtggggagc tgttttaacc gtgtgcccc cctctctgtc cggcgtgggc atccccggg 120
 gcagtgggac gggggcgctc ctcacagctc cgagtcacgc cagcctgggc gggggggcgc 180
 gcccccgaga cacccgagga gtccgttctc cctgggttac gtggactgtg gagctggctc 240
 cttgtggctc agcgccgtgc ggaggtactc gag 273

<210> 1406
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 1406
 gaattcgagg ccgctcgac agagccgtct tctttctctc aacagttgcc ttcccatgtt 60
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 ttgcacaagt tatttctct gtataaacac tcttccaatc ctacctaac ttgtttctcc 180
 ctgggggctc ccacagcacc cagtaacgat agctcaaagc actgtcctac cttctgtgat 240
 ggctctctca gtagaccatg agttctctga g 271

<210> 1407
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 1407
 gaattcgggc ccgctcgacg aagtggcaga tcttttaggg gctccaagag ttcattctgt 60
 ccacacagaa ggaaggctgc agcatgaatg gccattcttg taccgttcc atcaagggtg 120
 ctgtcactag gccccgcct caacaatggc acagaattgt ccacgagcga tgttgcaaaa 180
 cggctgatat caggaggtga aaggatcttg cattcgccaa tgaatttgtc cacagcttca 240
 cattgtcttg gctgggggtg gaggtcttgc ttgtgggata tgtacaaaat agccacctct 300
 ctaaacagtg ttaacaggaa gtaggttgac tggctggctt ggggggtctt gcaggcttcc 360
 agagcagtc taaatgccag tggcttgac tcgag 395

<210> 1408
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 1408
 gaattcgggc ccgctcgac cgagatgttg ctgctgtgtc tactggcgcc actcttctct 60
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 atacacccgc cctgggaagg gggcattcagg taccgggggc tgactcggga ccagggtgaa 180
 gctatcauct tcttgccagt ggactatgag attgagtatg tgtgcccggg ggaagcgag 240
 ggggtggggc ccaaggctcg caagtgcctg gccaacgggt cctggacaga tatggacaca 300

ctcgag

306

<210> 1409

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1409

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gaattcgagg ccgctcgac gccatgcacc gtctaccgct gctgctcctg ctgggcttgc 60
tgctcgcagg ctccgctgcc cctgcgcgcc tctcccgaa gcgccttccc caacttggtg 120
gcttctcctg ggataactgt gatgaaggaa aggaccctgc aqtgatcaaa agcctcacga 180
tccaacctga cccattgtg gtctctggag atgtagtcgt cagccttgag ggcaagacca 240
gccttcccc cactgctcct cagaagggtg agctcacctg ggagaaggaa gtggcttggc 300
tctgggtcaa gattccttgt gtagaacagc taggcagctg tagctacgag aacatctgtg 360
acctcgag                                     368

```

<210> 1410

<211> 340

<212> DNA

<213> Homo sapiens

<400> 1410

```

gaattcgagg ccgctcgac ggcattgggg gacagaggag gtgggacctg gcagaccac 60
agctcccaag ctggggctcc ggaggcagag tgacaatgca tggtctgtgt ggagccaggc 120
aggcgggtgac gtggcagagc tgccagcagg ggcaccaagag actgcagcag gttggtgctc 180
acagtggatc tgagggatgg gcgtgcgttg cagggccttg gccatggccc ctgaccaacc 240
cctgtgcacc aaacaccaca ctgagctcag aatccgggca gagaggggaa cacttgtaca 300
gtgaggccaa ggcacacgca gccgggacct cagactcgag                                     340

```

<210> 1411

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1411

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gaattcgagg ccgctcgac taaaccgtcg atgaattctc ccaccacgca gctgaaggga 60
gaaagacgag gaggcaggga gcagacgagg aggtggggag caggcagccc gggcctcaga 120
ggacacatgg ccttcccccg ctggcaccac cacatcaggg ccaccagggg actgctcaca 180
cccaggggtt gccgcctctg gacctggctg tccctggctc tcttgacctc aggagtgacc 240
tgggcttaca gaggtactgg caaggaggga ctcgag                                     276

```

<210> 1412

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1412

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gaattcgagg ccgctcgac ctcattgcca tgatgggtat gagcatcacc taccacagct 60
ggctgacctt agtaactgct ctctgggctt gctctatctg gacagtgcgc agccggccac 120
aactggccat gctgtgctcg cctgtcctcc tctgttatgg gatgacgtg tcttgcttac 180
gctacgtgtg ggccatggac ctgcgcctcg agctgcccac caccctgggc cccgtcagac 240
tgcgcacgct ggggtggag cacaccgctt acccctcaga g                                     281

```

<210> 1413

<211> 450

<212> DNA

<213> Homo sapiens

<400> 1413

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gaattcgagg ccgctcgac cttaaccgtc gattgaattc tagacctgac cctgtcctct 60

```

```

gtgtacaccc tgaacctggc actgggggac ctgatgtatg cctgttcaat accctactt 120
atctataact acgccagagg ggaccactgg accttgggaq acctcgccctg ccgctttgta 180
cgcttctctt tctatgccaa tctacatggc agcatcctgt tcttcaacctg cattagcttc 240
cagcgctacc tgggcactctg ccaccccttg gcttccctggc acaagcgttg aggtcgccgt 300
gctgcttggg tagtgtgtgg agtcgtgtgg ctggctgtga cagcccagtg cctgcccacg 360
gcagtctttg ctgccacagg cctccagcgc aaccgcactg tgtgctacga cctgagccca 420
cccatcctgt ctactcgcta cccactcgag
450

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<210> 1414

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1414

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gaattcgagg ccgctcgac cgattgaatt ctgacctgc ctgcacccc caatctcaac 60
ccccaccccc tcatcaacgt gcgggacggg ctcttccacg cgtgttctt caagatggct 120
gtcacctatt cggggctctt ccggcccgcc ttccgccgtc tcttcgagtt ctctgtgtg 180
ctcaaggccc tgtttgtgt ctctgtcttg gcttacatcc acatcgtctt ctcccgtctg 240
cccatcaact gcttgagca tttctgtgac agcggcgggc gggggagctt cccgggcctg 300
gcgctggaac caggcagcaa cctgacatg caagatgagc tcgag
345

```

<210> 1415

<211> 355

<212> DNA

<213> Homo sapiens

<400> 1415

```

gaattcgagg ccgctcgac actttttctt ctttctgtat cctgttcaag aaatagtgtg 60
ctactccaag gtcatgcaga tgtttttctt taaatgcttt attgtcttgt cttttatttt 120
ttatatctat ggtctatctg gtatggcttc gtgtgtgtgg tgtgaggtag ggattgagat 180
tttttttttt ccattgggat atctgattga ccacagatca ttttctaaaa gatgcctttc 240
ctcattgcac tggggcgctt cctgtgtgtc ttgacaggg atgacaggga tgaggatgat 300
aaagaatagg catagcgtgt ctttctcttg tgagacacag ggactccaac tcgag
355

```

<210> 1416

<211> 412

<212> DNA

<213> Homo sapiens

<400> 1416

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gaattcgagg ccgctcgac aactcgggtga acaactgagg gaaccacacc agagacgggc 60
tgaacagaga gaatcaggct caaagcaagt ggaagtgggc agagattcca ccaggactgg 120
tgcaaggcgc agagccagcc agatttgaga agaaggcaaa aagatgcttg ggagcagagc 180
tgtaatgctg ctgttgctgc tgccttgga acctcagggc agagctgtgc ctgggggcag 240
cagccttgcc tggactcagt gccagcagct ttcacagaag ctctgcacac tggcctggag 300
tgcacatcca ctagtgggac acatggatct aagaaagag qgagatgaag agactacaaa 360
tgatgttccc catatccagt gtggagatgg ctgtgacccc ccagaactcg ag
412

```

<210> 1417

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1417

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gaattcggcc aaagaggcca tttaaaaagg gtttaagagt taaaatgggtg tgtgcagctg 60
taacacngga gctatittat cttttaacca cagtttaagg gagtctcgag
110

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<210> 1418

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1418

gaattcggcc aaagaggcca ttcaaaaaaa cgtgagaagt atttttgtac cctgtgtaac 60
aaaatattta tgcatacataa aggatttttc atatgcgtac tcgag 105

<210> 1419

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1419

gaattcggcc aaagaggcca ttcaaaagacc tgccttgaga ggtctcgagg caggtctaga 60
attcaatcgc ctcaagaaggc caaagaggcc attcgctctc gag 103

<210> 1420

<211> 105

<212> DNA

<213> Homo sapiens

<400> 1420

gaattcggcc aaagaggcca ttcaaaaattt aactgtttat aaagaaagtt gctttatttc 60
tttaaacatc ttcaaaagat gatcctttct tgtcacatct tcgag 105

<210> 1421

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1421

gaattcggcc aaagaggcca ttcaaaaatg tatggaaatt caactaattt ttgggtgctgt 60
tattctattc ttcaaatcca ctgcataatg tttttagtcc cagtaactga g 111

<210> 1422

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1422

gaattcggcc aaagaggcca ttcaaaaaaa agattcagca aattgcttaa aatcgaggta 60
actagcaagc atatatcaag ggatacatga ctccgctttc gctatgtttc aaagccgtac 120
tcgag 125

<210> 1423

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1423

gaattcggcc aaagaggcca ttcaaaaattt ttgaattcag aagataagca ggtaaaattt 60
atcacaagat tctgttggttaa tgagagttaa gttgctcttc gag 103

<210> 1424

<211> 126

<212> DNA

<213> Homo sapiens

<400> 1424

gaattcggcc aaagaggcca ttcaaaaatg aaatgcattt ctatgttgaa cttaattgcc 60
acttgcttg atattatttc ccttgaattt gttgggaatg aggagagagg aagggagcaa 120

ctcgag 126

<210> 1425
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 1425
 gaattcggcc aaagaggcca ttcaaagatt gtaaatagct tacaatttac aaataataaa 60
 tatacaatgc tgtttatcat aaaaatccac ttageccaatt gggtcttaca aaatgttttt 120
 gttaatatatt gcgaactcga g 141

<210> 1426
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 1426
 gaattcggcc aaagaggcca ttcaaaaaca ggaatttgag cacaagatga gaaaatgtgt 60
 tggcccttta gcgctggtgg gctggatggc ggccacagca caggggggca cctcattccg 120
 caggagctc gag 133

<210> 1427
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1427
 gaattcggcc aaagaggcca ttcaaagtcg gatgaaaatc tttttattct caaaattgtt 60
 ttccagttcg gtaaatattt tgagtgtgta tgcacgcggt ctcgag 106

<210> 1428
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 1428
 gaattcggcc aaagaggcca ttcaaaaata ttggaatata cttttcttaa aaaaaaggaa 60
 cagttagttc tcatttagaa tgaaagtcc atatatgcct tggctcgag 109

<210> 1429
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1429
 gaattcggcc aaagaggcca ttcaaaaata acacagtaag tactcagaaa ctacttgaag 60
 agtgcagtta tcagtagaga tgatcgaaac atttgctttt ctagggaata ttctgcctt 120
 tttttctcca gaatcctctg gtatataatgt gctcactgct aggtcaccag tcataaaaca 180
 taaactcgag 190

<210> 1430
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1430
 gaattcggcc aaagaggcca ttcaaaaata atgatatggg gctcttactt tgccttagct 60
 gttaaactgt tcttagtatt ttgttttaac atttgcaaaq ggaaactcga g 111

<210> 1431

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1431

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gaattcggcc aaagaggcca ttcaaaaaag agaaggcttc ttccttattg atatcatggc 60
atgcattaat tccatttgtt actattgtgc acaggccctc gag 103

```

<210> 1432

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1432

```

gaattcggcc aaagaggcca ttcaaaaaag aaagcagctg ggactaatga accttcacat 60
agccatattc cattatttca gcttaagtca aatgtcggtc ctcatgaggc aactggcttt 120
gacaggagct acgctaatta ccacttacca acctttaatt tctgggcaca acctcgag 178

```

<210> 1433

<211> 115

<212> DNA

<213> Homo sapiens

<400> 1433

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gaattcggcc aaagaggcca ttcaaaagtat ggggtttctc actctgcttt tcttctctgtg 60
gggtctcggg gtgctgtact gttgtccctt catttcgagc aggtatcacc tcgag 115

```

<210> 1434

<211> 102

<212> DNA

<213> Homo sapiens

<400> 1434

```

gaattcggcc aaagaggcca ttcaaaaatg cagtatttat tctttgtagg cataatgtgt 60
ttgtcactga caagcattca tgttcatacc actagtctcg ag 102

```

<210> 1435

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1435

```

gaattcggcc aaagaggcca ttcaaaaaaa atagaaagta aatagtctta agaataattct 60
ggcataaatt atttttattt agccaataaa atagcctcca aatgttatat tcagttggcc 120
tcgag 125

```

<210> 1436

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1436

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gaattcggcc aaagaggcca ttcaaaaagt attgcttaat agaaagttag tagaacttat 60
attcgatcat gttattgagc acatacttat gggcagttct cgag 104

```

<210> 1437

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1437

gaattcggcc aaagaggcca ttcaaaaagga ggtcaccag aaacatcagt atgaaattag 60
 gaattggttg ccacctgtat tatctggggg gatcagtcct tgcattatca tggaaacacc 120
 tcgag 125

<210> 1438

<211> 206

<212> DNA

<213> Homo sapiens

<400> 1438

gaattcggcc aaagaggcca ttcaaaaaaa gcagaatggt ttcctcagaa ggccaaagag 60
 gccattcaaa aaaagcagaa tgttttcttc agaaggccaa agaggccatt caaaaaagca 120
 gaatgttttc ctcagaaggc caaagaggcc attcaaaaaa gcagaatggt ttcctcagaa 180
 ggccaaagag gccattcaaa ctcgag 206

<210> 1439

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1439

gaattcggcc aaagaggcca ttcaaaaaga taaaattaaa aagccagaca tactttctat 60
 caagctgcgt aaagagaaac atgaagtaca aatggatcct cgag 104

<210> 1440

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1440

gaattcggcc aaagaggcca ttcaaacctt cagaaggcca aagaggccat tcaaaccttc 60
 agaaggccaa agaggccatt caaaccttca gaaggccaaa gagggccattc aaacttcgag 120

<210> 1441

<211> 119

<212> DNA

<213> Homo sapiens

<400> 1441

gaattcggcc aaagaggcca ttcaaaaaca tattttaagc caagtttttag gtgtattttt 60
 tgaattcttg ttataaaccc aattttaaag ggcgatgtat gccagcgttg ttactcgag 119

<210> 1442

<211> 123

<212> DNA

<213> Homo sapiens

<400> 1442

gaattcggcc aaagaggcca ttcaaaagta ttctgaactt agctcatcaa aggcataaa 60
 taatctgtaa acatgttitta taaaaaaaaa atcactaaag ctgactccaa agagccactc 120
 gag 123

<210> 1443

<211> 115

<212> DNA

<213> Homo sapiens

<400> 1443

gaattcggcc aaagaggcca ttcaaaagatt aataatgagc ttctgttitta cgtttctgag 60

cctgcttctt gcatgcataa aattaataat ccagccctct tccaaagaac tcgag 115

<210> 1444
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 1444
 gaattcggcc aaagaggcca ttcaaaccat tcaaacctca gaaggccaaa gaggccattc 60
 aaaccattca aacctcagaa ggccaaagag gccattcaaa aaaaagtaaa acctgctgct 120
 gactcgag 128

<210> 1445
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 1445
 gaattcggcc aaagaggcca ttcaaacaaa ttlgattgta cttataagaa caatacattg 60
 tttttataat gttaatattc tgttttgcct ttataattcc cacactcgag 110

<210> 1446
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 1446
 gaattcggcc aaagaggcca ttcaaaaagac ctgcattcta gctgtttgtga caactgaccg 60
 aacgtctagc accacactct cactaagaat ttcactgatg aggcgggtggt ttctcgag 118

<210> 1447
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 1447
 gaattcggcc aaagaggcca ttcaaaaagg agtttgttgt gtgtttttgca tacaacttta 60
 caatttcata gttgaaagct gttacaaaat gaaagttttg tgtatggtag gaattctcga 120
 g 121

<210> 1448
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 1448
 gaattcggcc aaagaggcca ttcaaaaatt aactgaggca gctgatcggt tttttaagct 60
 gattagggaa acagtatata agaacttact taactcataa taaaactaaa attcaacagg 120
 ggagagttat gatctttttg ctcgctctcg ag 152

<210> 1449
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 1449
 gaattcggcc aaagaggcca ttcaaaaaaa atgaggattg ccttccttgc atgcgctttt 60
 taccttgact acctgaattg caagggattt ttatatattc atatgttaca aaqtcagcaa 120
 cgcctcgag 129

<210> 1450
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 1450
 gaattcggcc aaagaggcca ttcaaaaaag agtaggcctat aagggaagat tgtcaatatt 60
 ttgtggtaag aaaagctaca gtcatttttt ctttcgcaatt tggatgctga aatttttccc 120
 atggatcctc gag 133

<210> 1451
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 1451
 gaattcggcc aaagaggcca ttcaaaaatt acgcattttc tttatcccca gaatagacat 60
 acataaaaaa aatgcatact aagttcctgg caattctcga g 101

<210> 1452
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 1452
 gaattcggcc aaagaggcca ttcaaaagta taaaacaagc aaagaaggga gtgtaatggg 60
 agttacagta tcccggcttg caatgctgtc tcaatgccaa gctctgtcgc aggcctgcaa 120
 ttattctgaa ggggcgctcg ag 142

<210> 1453
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 1453
 gaattcggcc aaagaggcca ttcaaacata aacataagca taaacataag aaacacaaaa 60
 gaaaagaggt tattgatgct tctgataaag aggggtactcg ag 102

<210> 1454
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1454
 gaattcggcc aaagaggcca ttcaaacata atgtcagaat taattttaaac aaattataat 60
 taatgtaata tcatcttagg aaagatgaaa caatttatga gagcctcga g 111

<210> 1455
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 1455
 gaattcggcc aaagaggcca ttcaaaaata aaattattga acagcttagc cctcaagctg 60
 ccaccagcag agacatcaac aggaaactag attctgtaaa acgacagaag tataataaag 120
 aacatcctcg ag 132

<210> 1456
 <211> 136
 <212> DNA

<213> Homo sapiens

<400> 1456

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gaattcggcc aaagaggcca ttcaaaaaat aaagtgactg aactgtcaga tcaacaagat 60
caagctatcg aaacttctat ttgaattct aaagaccatt tacaagtaga aaatgatgct 120
tacctgatt ctcgag 136
```

<210> 1457

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1457

```
gaattcggcc aaagaggcca ttcaaaaaata tgatcgaaga aataaagacc caagcctcta 60
ccccctgtc tggaaactct caggcttcac ccattggtct cgag 104
```

<210> 1458

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1458

```
gaattcggcc aaagaggcca ttcaaaaaatc gaaaaggaaa atactttaac gttgaaagag 60
ttggtcagta cttgaaagat gaagatgatg atcttgtgtc accccctcga g 111
```

<210> 1459

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1459

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gaattcggcc aaagaggcca ttcaaaaaaag gaagaaaaaa acagatttac accacagata 60
gtgatgagat ttcacatatt gttaatcgtc ttgtctctca ggcacaggat qaaaaaccaa 120
caactcgag 129
```

<210> 1460

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1460

```
gaattcggcc aaagaggcca ttcaaaaaaaa aagaaagtta tttctttgtc ttaaagaatt 60
tttaaaaaat tagtcatgag acttatccat ctttccaggg aactctctga g 111
```

<210> 1461

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1461

```
gaattcggcc aaagaggcca ttcaaaaacta aaataaaaata tatgtgtcta tggttttcaa 60
tggagtagt cttcttact ttccctcttc cctcttttg ttctctaac cagcttagan 120
gacccaaaga gagcttaggg atagacacca gaataactcg tggaggtctc gag 173
```

<210> 1462

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1462

gaattcggcc aaagaggcca ttcaaaaatc aagagtttga gagcgtcgg ctgaatgaga 60
 caatttcate attttctgat gacataaga ttacaattag actggggaga gcaactnaaaa 120
 aaggagaata sagagctega g 141

<210> 1463
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 1463
 gaattcggcc aaagaggcca ttctgaggcg gttgggtgggt caatgggtgaa gatacagttc 60
 tttcttaaa cctttctctt gctgaactcc tctggtggaa ttgtccatgg caggtcactc 120
 gag 123

<210> 1464
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 1464
 gaattcggcc aaagaggcca ttcaaatatu tctcggtatg ttttaattgt atatatggga 60
 ttgtatcga tgttacaaaa ccaatattct atggagtccc tcgag 105

<210> 1465
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 1465
 gaattcggcc aaagaggcca ttcaaatgat atcacacatt tagaagtaca aattaatcca 60
 ttttgcttta tgaattcatt ttacattat ataactcttc ttacattctg tctcgag 117

<210> 1466
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 1466
 gaattcggcc aaagaggcca ttcaagaat tgaaacattt taatttcaaa ttcaaataga 60
 acatttaaaa tgatttcatt attattaccc atactcctcg ag 102

<210> 1467
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 1467
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 ttcataatc atttatcaaa gtaatgaagt gagtattttg ctgtaccac tctcgag 118

<210> 1468
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1468
 gaattcggcc aaagaggcca ttcaaaaatc ataaatataa aaacaqtagt aatacagctg 60
 acattaccat ttaatttat attatgaaaq caaatcatct gctcgag 107

<210> 1469

<211> 433
 <212> DNA
 <213> Homo sapiens

<400> 1469
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 agaaacagct acgactcaac ctacccaate atttcacat cagattgcca ctgtctctag 120
 ttcaggctctc ttgggactgg cactcagaaa tctcataata aatctctctg aggtctctca 180
 tacactcgtc ttcttccaat cttctttccc tcaaaatctc atatttttgt tccacttcac 240
 ccacgcctat tctccatata actcccagga gttaggcaaa aagccccctc cgttctctccg 300
 tatgttaaac ttagaatcac tctgttccct gctctgcgtt tctatttttt gtttctctcc 360
 atttactagt agcttaacac ttcttaacag tgttcttatt attgatacgt atctatctct 420
 tccaaagctc gag 433

<210> 1470
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1470
 gaatttcgagg ccgcgtcgac cctgtgtgtt ttctgttact tctagccac aaagtccctg 60
 caaacagaaa ctttagatcc actgcctctt ttaactctcc tctctataga gctgtgaagg 120
 aaatgtccctg catcatcccc attgcacaca cgctcgag 158

<210> 1471
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1471
 gaatttcgagg ccgcgtcgac ctaaaattct gattttgcatt gtggttttta gggcttcagat 60
 tagcaagtgg gattgttttt tagcaattaa atccctcact tcatgctctg ttgacacaaa 120
 tctaaagagg cactgggtatg tctaaagagg cactgggtatt gtttattacc tctagttgta 180
 tttagctttg ggattgtaga gaaaaataat tctcttttgt gggatggggg aagaatccca 240
 tgccagtatt catcatatgg gacccctcgag 270

<210> 1472
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 1472
 gaatttcgagg ccgcgtcgac ctaattatgt aattatgtaa gctagctttt catgtttatg 60
 tatgtatggt gtccctctgt gttattttcc tccctcttgg tttttgaatt agtgttaaat 120
 agaatactgt cttagattctt aaaatatttt catttccatc atgggtataa caaatttgc 180
 gcatgcccaa actgacaaca gcaatcactg agggaaacagg ttttgaatct ttcttttctg 240
 ctatgaagtt tatctctctt acttgcctga gatttttgtt attttggggg ttgggggtg 300
 ctttttgttt tgtttttgct aaatgttaaa tgaagcaga tctgtcagct tctctcag 359

<210> 1473
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 1473
 gaatttcgagg ccgcgtcgac gaaatcatgg actaccagag cagaacttaag aatgttgggt 60
 aagagtgcga gagcctcagg ggcagcttg agggcaagg ccggcagctg caggctgctg 120
 aggaagctgt ggagaagctg aagcccacc aagcagacat gggagagaag cttagctgca 180
 cttagcaacca ttttgcagag tgcaggcgg ccatgttgag gaaggacaag gagggggctg 240
 cctgtgtgta agacttagaa aggaccaga aggaactcga aaaagccaca acaaaaatcc 300

aagagtatta caacaaactc tgcaggagg tgacaaatcg tgagaggaat gaccagaaga 360
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<210> 1474

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1474

gaattcgcg cgcgctcgac attgaattct catgcctcac ctctcctcag tagctgggat 60
 tacaggcgtg caccaccaca cctgctaatt ttttgatatt ttttagtaga gacggagttt 120
 tgcgctgttg gccaggctgg tctcaaactc ctggcatcaa gtaatctgcc tgcctcagct 180
 tcccaaagtg ctgggattac aggcataagc caccgtgcc ggctatttt cggcattttt 240
 atatcctgtt gtatttaggc tctttttgta gacctctat tcttagatct tttaaaaatc 300
 caatcccaga gtttgttgtc tttttttctc tctctcattt aatagggtga attttctttt 360
 cctagtttga aatgtacaca tttcattgtg tttcagttta aattttggtc attatcccaa 420
 accaatctat gcttacattt atacgtttgg tttcttttat tgttgttata agtatcttta 480
 tctactcac tgccttcaac ataaatacct tgacactcga g 521

<210> 1475

<211> 381

<212> DNA

<213> Homo sapiens

<400> 1475

gaattcgcg cgcgctcgac agaagttgct ggtcttgaca tgaatatcag ccaattttcta 60
 aaaagccttg gcttgaaca ccttcgggat atctttgaaa cagaacagat tacactagat 120
 gtgttggctg atatgggtca tgaagagttg aaagaaatag gcataaatgc atatgggcac 180
 cgcacaaaat taatcaaagg agtagaaaga ctcttaggtg gacaacaagg caccaatcct 240
 tatttgactt ttcactgtgt taatcaggga acgattttgc tggatcttgc tccagaaagt 300
 aaagaatatc agtcagtggg agaagagatg caaagtacta ttcgagaaca cagagatggg 360
 ggtaattgctg gcggtctcga g 381

<210> 1476

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1476

gaattcgcg cgcgctcgac cttagggtcag gttctgtcaa gttaccaaca gaagctactg 60
 attgtaaaat tccaattaca ctcttatcct gtcagtaaa atggtaggca gtcctcag 118

<210> 1477

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1477

gaattcgcg cgcgctcgac tggaaatcata ggaatgtggag gatggtactc atactctgtg 60
 tctgctcttg ggtggggggc acaggactgg ttcagtcttg ctctggatgg agtcagtcaq 120
 ttgcacagaat gcagaagtcg gaaaaacatc tcaaaagacc agtcttgcca gagctcag 179

<210> 1478

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1478

gaattcgcg cgcgctcgac taggagtgaa tatgtgggtc ccttttggtt tgcacaatag 60
 aattgtcttc ccaatttttt ttttttttgc ctgtcacttc atactctatt ctatttactt 120

cccttcttag ttagtaaggc atgttgggtg aactccccct ttttggcaaa aaggcattta 180
 cctttctctt ccccattacc actaccagca caccataaca gattttcccc ctgcctcagg 240
 gaggccatga ctggaggagg gggtaaggag cctctcagag 279

<210> 1479

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1479

gaattcgagg ccgcgtcgac gtcttgggtc agattataaa aattacaatt gattacataa 60
 aacttaatta accttttctt tctctctcat agatactctt catatcaatt tatgtatttc 120
 caagtactat acccattact cgag 144

<210> 1480

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1480

gaattcgagg ccgcgtcgac gccagcatgg tcaacttctg gcgagagctc tcttctctgg 60
 atgtaaatgc ccacttcttc atgtcttctc aggaaggaaa ccaacaaata ggtctctctc 120
 tctctctctc tttctctctc ctctctctct ctcttctctc ctctctctct accatctctc 180
 tcttctctct cctctctctc gccctcgag 209

<210> 1481

<211> 532

<212> DNA

<213> Homo sapiens

<400> 1481

gaattcgagg aaagaggcct aagtgaactt agtagaagct attgagaaaa gactgatcag 60
 ccctgaactg gcaaatatga tccaaataga tagttcagag ttcagcgatc acagggtcca 120
 gattgaaaaa caagaaggga ttgaagtgtg tgcattacaa aatgaatttc taggaaagga 180
 tatgttaatt gcttgtaatt agactgtctg aatgagttgt aataaagtag aagagagtga 240
 gagattatct caagttgaaa atcagtctgc acaagaaaag gttaaagtga gagtttctga 300
 tggggagcag gcaaaaaaga gcagggaat ttccttaaaq gaatttgggt gcaaggatca 360
 acgttaagcca agaattgtct cagatgctaa agaatttctc agtatcataa atcttcataa 420
 tcttaaaagg aaatccttgg gccaaagtgc attgacacac ccttactctg aatgtgattt 480
 taaacttaaa gaagtggcta gaaataacat gqgaaatgat acaaacctcg ag 532

<210> 1482

<211> 585

<212> DNA

<213> Homo sapiens

<400> 1482

gaattcgagg aaagaggcct agatcagtag cattaacaaa agttgcttta aaagccatta 60
 tgtaaaacaa gacttgaaaa tgagtggagg aattcttagc acactgtctg agcagcagtg 120
 ggaaccatct tctttctccc tttgaactcc cagtgggatg ccttaccttg cgcctttagg 180
 acccggaact accgtgtaca aaactttacg tgcacaaaatt ctccagtgaat ttagctttct 240
 cctctctctt gatgctgtaa tttttgttca tcatcttttg ctgtgatgtt acatagctag 300
 atttgtatgt agttttaatg tcaacctataa caaaatgtgt ttggtaagcag attgtccaga 360
 aagcatttta aatgaagagg tataaacctt taagggccaa aattctgtat attagattac 420
 tcttaaacga aaaaccagct gccgcttcta tgtacacata ttacatacga gtaggcagca 480
 gacttttaaaa ataaaaaaaa cctaggcatg ttgatgttgc aaaatgtctg ataaaactga 540
 aacctgttca ttcagtgcga ttgtagtga catgaagctc tcgag 585

<210> 1483

<211> 418

<212> DNA

<213> Homo sapiens

<400> 1483

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gaattcggcc aaagaggcct aattttttttt gaggatttgt tttacttggg tgtcacattc 60
ataattttta atcctttaag gagaaaaatg tgcttattaa atttttgggc tctgaatgct 120
accaagtctt agtcatacag aacaatatgc tgcaactgtt tacaattcct aaaactgtaa 180
actcctcaag gacttggagg ctaaacaatga agaataataa attaagttga caatcactgt 240
ctcctgcata acactgactt cacttctctt gagaaatgtg catctgctaa tccatattta 300
ttacttttta ggggtgggtg aaccataaaa taagatactg ttctttgaat gcctttagct 360
ggtgttattt accagtaatg ctgggagaaa gaatccaaaa ttaccccccac tactcgag 418

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<210> 1484

<211> 572

<212> DNA

<213> Homo sapiens

<400> 1484

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gaattcggcc aaagaggcct aggccttcac ttttgaatg catctctgta ggctttgtga 60
tttaggggaag gatctgttaa actttcaagt tcagagaaaa gtttctttaa cttcccaggg 120
attttctccc aggtctggga cagtcgactg acagaagcag tgttgagacc catcacaatg 180
gcaaagaaaag aattcagggtt tctctgggct ttgcagttag ccgcaatttt gatgaatttt 240
ttcaccagct gcactcgctt gccagctgg ctgcagagca gaatctccgt ggccacccaa 300
agctggacct cattgcatct ctggagcaga aggcctgagat ttgcagtgtg tccccactt 360
ccctgtctgc tgaacgtgaa gtagatcagc tcttgctcgt gaattgaatt gaatagactc 420
caatcaaaat tcattaattc cagagcaaga tcccaagtgt tcattcccaa aatcctcacc 480
gacctttgct gtgattcctc attttctgca aatgggttca aagtgtccgc caggctcttc 540
cggtagacat atattcgacc agatgcctcg ag 572

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<210> 1485

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1485

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gaattcggcc aaagaggcct acttcttccg ggccacgga aaaggcgggc gtagtgctct 60
tgcaccgctc cccaggggcc cccatggagc ccttctgcgc tttgggtcca gtgtggccc 120
tggtccctgc tgaacctgtt ttgccataat tcccttggag gcctcgatct ccgcggtcac 180
ccttctcccc tttaagata gtgatgttga tctggggcac ggcggtcgcc gggtagatgg 240
aggtaccagg gtcacagcag cgcaagcacc gggaaacagg gagccctgg tccctgactgg 300
gcctgtattt ttcattgtgt tcttaagccc tctcgccatg gtccggaggg gacggcagct 360
cctcagtcgc cttccactcc tgctgttccc cctggacatg gggcacgcga ctcaggacca 420
ggccagaggg aaaggcaagg agcaggctga g 451

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<210> 1486

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (69)

<400> 1486

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gaattcggcc aaagaggcct aagcaaatgc aaaaactctt tgagagggta ggagggtygg 60
aaquaaaana ccattgcatt tcagaagtta gtttgtatat attataataa tcttataact 120
gttcttcagaa tcccttaaca gtgtatttta acagaaattg tatattgtaa tttaaaataa 180
ttatataact gtatttgaaa taagaattca gacatctgag gtttlatctt atttttcaat 240
agcacatatg gaattttgca aagatttaat ctggcaaggg ccgactaaga gacgttgtaa 300
agtatgtatt attcacattt aatagactta cagggtataag gctgtggggg ggtaatccc 360

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gctttttgtg ttttttttgt ttgtttgttt gtttggtttt ggggggtttt cttgcccagg 420
 ttgtttggca aggactttgt acatttggga gtttttatga gaaacttaaa tgttatcttg 480
 gcttatatct ggccctctgt tttcccttta attgtaaagt aaaagctata aagcagtatt 540
 tttcttgaca aatggcatat gttttccact tttttgcatg cgtccctgag 590

<210> 1487

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1487

gaattcggcc aaagaggcct acttttgtct gcctcattct aaaatttaca cagtagacca 60
 ttgtctatcc atgctgtccc acaaatagtt ttttgtttac gatttatgac aggtttatgt 120
 tactttctatt tgaattttta tatttcccat gtggttttta tgtttaatat taggggagta 180
 gagccagtta acatttaggg agttatctgt tttcatcttg aggtggccaa tatggggatg 240
 tggaaatttt atacaagtta taagtgtttg gcatagtact tttggtacat tgtggcttca 300
 aaagggccag tgtaaaactg ctcccatgtc taagcaaaga aaactgccta catactggtt 360
 tgtccctggcg gggaataaaa gggatcattg gttccagtca cagggtgagt aattgtgggt 420
 actttaaggt ttggagcact tacaaggctg tggtagaacc ataccccatg gataccacat 480
 attaaaccat gtatatctgt ggaatactca atgtgtacac ctttgactac agctgcagaa 540
 gtgttccctt agacaaagtt gtgaccatt ttactctgga taagggtttt ctcgag 596

<210> 1488

<211> 503

<212> DNA

<213> Homo sapiens

<400> 1488

gaattcggcc aaagaggcct aagcctttct ttctgcagct aagggcagag gctgtgcta 60
 gggctatacc accactagca tctgtatttg agactgttct cttagatggg taagaggtgg 120
 aaaacaaact tagtatcagg ggtccatgaa gcccatggca tcatttttga aaatatttct 180
 agttttgtag ccaaagcaat tggttttagt aaaatgagac ttcttcagga gtcactcctt 240
 tactgtggac ccattgctta gtgggaatgg aagtatatgt atctatcttg tgtattaact 300
 tctgacttat ttatacaaga gcagctatag gaggttacaa aagaacttta agttattaag 360
 ttactataaa ttgggggata ctagagtgar cttaaatatg gcaagatata gctcatttag 420
 aataaaatct cacatccatt attttaaagg gaatgattgg ggggaaaaac tggggaagaa 480
 gaaatataaa aaggaccctc gag 503

<210> 1489

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1489

gaattcggcc ttcatggcct acaaccctaa atattaagcc aagattaaaa aaccaaacag 60
 ataagaatgg catattttta tctaaatgac ttaattttgt tctctctctt aatgttatgc 120
 tgtgggcaca attcaagcaa cttgacagct attttctctc agcataatga agaccttqgt 180
 ctactcactg ctcaactcca gtgctgctgc tgggaaattg gtagtgggtt ataccactct 240
 gtccttctta cagtcttagt tccactcgag 270

<210> 1490

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1490

gaattcggcc aaagaggcct acgcctccc tccgcaccca ccccccctgcg cccaggtctc 60
 tcccggacac tgcagcctcc tgcggaagaa ccccgcacc ctcttaacct cagccagctt 120
 cctcgggttg gcctcagccc agacagccca gcaggtgaca ggaatagtggt gggcagtgag 180
 ggcagcgtgg gcagcatccg aagtgcctgg agcgggcaaa gctctgaggg cactaatggc 240

catggccttg gcttcttgat tgagaacgac cagccactgc cctctgctgg agaggaccag 300
gtgctgcccag gactccaccc ggcgtccctg gcagacaaac cctccactcg ag 352

<210> 1491

<211> 287

<212> DNA

<213> Homo sapiens

<400> 1491

gaattcggcc aaagaggcct agaagctctc tgtttggaag tggagacaaa gaccaaatat 60
agattcttat tgttgcaact ctataattcc ctcaccctta ttttcaccag gcaaaatttc 120
ttcgtttttt ttatagctca gtccagattt cactttattt gtgaaacctt ctcactctgtc 180
cgctagttaa aagaggcctt tctttcattc tcatggtttt gtctattgta aagtactatt 240
attattgggtt tatgtatctt tcttcaaccc actgtgattg tctcgag 287

<210> 1492

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1492

gaattcggcg ccgcgtcgac tccctactcc ccacccccga cccccattca gaaagaagca 60
ctgttgacac ttcaatgcac attctgaact ccaggtcctt tctttgcata catcaagctc 120
tcatectctt gccggctctg tgggtctgcaa acccagagag cagatgcttt gctcagcgtc 180
cgtaccacgc cagccaccca catgctctct ttgtacctgg gtttcaaccc acaggtcggg 240
cccttgtaag cccttggttc cccaagcttc tcgag 275

<210> 1493

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1493

gaattcggcg ccgcgtcgac agctgatcca agttttatgc tgatttttcc aaagatctct 60
ccctcctttt ccctccataa ctcacaggta gggaaggggg cggcattagg atgggtgttac 120
tgtattggga ttttatgttg ttctgtctgc ttccagcacag gtagtataag gttatattac 180
tgtagaacca cagtgcctat cttgccagca gtgcccgcgc ccacctcaa agctgagcag 240
gttgagcctt tgccatgtcg gggccagacc cctcagatgg ggatatccct gggggagccc 300
gggtgctgaac cagaagaggc ttccctgggt ttctgtccta ggccaccact cctccagccc 360
tttgcccgcg cctacatgcc ccacaaactc gag 393

<210> 1494

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1494

gaattcggcg ccgcgtcgac aagatacaat aaaacatact taactgtttt aaaaagtgtg 60
tcataaggagc ttttgaacat acaaatagaa tctactttca atttcagttt atactgaaca 120
aaatacagtt ttcttttgaa ttggtagtac ttcagaatct gagtgtctta acagtcattg 180
tgttagtaaa ttgagtgcc tctgttatgc tgggtattca agatgctaag gatccatcca 240
gccttgaaac agacaaggcc cagctcgag 269

<210> 1495

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1495

gaattcggcg ccgcgtcgac gagcacttaa cttcaggcca gttgctgaag aagaggtctg 60

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aaggtaatat tagtaccccc cnaactactt taagcttgaa acaagagttg ttggggccct 120
tactgagttc ctactttaga gtcaagggct ggccttcccc tgcattctgt cgcattgtacc 180
tcacaggtga gcagataaca tatttctgca gctattccct tatgatttcc tctctattag 240
agagaggtgg gagcctatga cagactgcag agtgcttctc ccattcttcc ccacccata 300
gctctcgag 309

```

<210> 1496

<211> 314

<212> DNA

<213> Homo sapiens

<400> 1496

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gaattcgagg ccgcgtcgac agccatagaa gaaacttgag tatgcctggg caccctcttg 60
gatctgtctg ctaaattata tatatatctt actgcaggaa agtatacttc gtaaggagta 120
gtttttatct atttgtttat ttggttctca gtggaacctt gtcaaattcc ataaaagcgg 180
aaaaaaacaa aactcattag agtgctttta attgaatgtt tgccttttac atatatattg 240
tcttcagcat ggttccaat ttgaatgtta catgtttaga aaaattttca gccaggtgcg 300
gtggctcact cgag 314

```

<210> 1497

<211> 303

<212> DNA

<213> Homo sapiens

<400> 1497

```

gaattcgagg ccgcgtcgac cctaaacagt cgattgaatt ctgacctgc agcctgggtg 60
gcagagcaag tctccatctc acaaaaacaa gcaaacaaac aaaaaataaa caaatcaaa 120
aacaggaaca tgaaaactgc ttttgttctc ttgtgtaata gatttacttt attttttttt 180
ctgtttcttc ttcatttttc ttttttctt tctttatctt ttttttgggg gggggcagaa 240
tctcactcag tcacccactg cctgcagcc tgggtggcag agcaagtctc catctcactc 300
gag 303

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<210> 1498

<211> 380

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (21) .. (23)

<400> 1498

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gggcagggtg gtgtgtggta cactgacgtg tccagaagca gcactttgac tgcctctggg 180
taggggttga caatttcaag gaatgtttgg atttccctga tcttgtggat tactccttag 240
ataccgcata gattgcaata taatgtctga tgttcaagat gaacagttag ccttagtaat 300
cataaaatcc actccttgca cagtttgatc ttactgaaa tatgttgcca aaatttatct 360
ttgttcttgt agctctcgag 380

```

<210> 1499

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1499

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gaattcgagg ccgcgtcgac cttttctaga cttagacaaa tgatcaccat gttagcctta 60
gacgaagaag ctggctagtc ctttctgtga agctaafata atggctatct ccagacaaat 120
ttaaaggaaa cactaaggct gcttcaagaa ttatctgatt cttttaaaat atatgtctat 180
ataacagac atgtctcttt ttaaagtgct kacattttaa tagagatgaa tcagttttgg 240

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```

aatctaagct gtttgccaag ctgaagctac aggttctgaa ataattttta acttttggaa 300
tcatactgcc tactgttact ctaaatagaa atataggggt ttttttaatg tgaatttttg 360
cctatcttta aacatttcaa tgtcagcctt tgtaacctt aaatacactg aattgaatct 420
acaaaagtga accatctcag acctttactg atactacaac ttttgttttc tgatggccaa 480
aatacctaatt acctcgag 498

```

<210> 1500

<211> 334

<212> DNA

<213> Homo sapiens

<400> 1500

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gaattcgcg cgcgctcgac tgaagaagtg aaaatgacaa taatgactct caagaggctg 60
gcgatgtgac atggcaaatg tagaactgac ttaaattgaa caaaccttca ctgagcacct 120
ctgatgttga gcacctgctg aatactgagc actgaatggg ggagggggag gggagcacgg 180
gggtgagtcaa cctgggactc ggtctcaggg atatgcctac caatagcggg tatcgtaagg 240
catgtaccca aacataacgg atgtaaggca gaaagtgate ggagaaggaa tgagaaagtg 300
tgcgtgatgt taatgaaaag tctaacagct cgag 334

```

<210> 1501

<211> 220

<212> DNA

<213> Homo sapiens

<400> 1501

```

gaattcgcg cgcgctcgac aattctagcc ctctcagcaa cttaattata aaacaattac 60
ttctaatttc tcacttagtg ttggggaatt ttgcttgga ttttctaggg aaagaggaaa 120
agcagaggta gtggtagctt tgaaaatgtg gaaccttatg ctattatgta taacttcact 180
tcaatatggc ttacagaag acacagtcac ccaactcgag 220

```

<210> 1502

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1502

```

gaattcgcg cgcgctcgac gggcaggat tgaactctta agtacaaaat tattttccca 60
aagaatttta aaatatacta tccactatc tttttgcac cagcattagt aattatagga 120
ttattgctgg ttgctactct tctgtctat cctcagtgtc tcgag 165

```

<210> 1503

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1503

```

gaattcgcg cgcgctcgat gtacatatat ataagcatgc acacagacag acataaaaat 60
gataggatca tataagacat tqtatagact gttttatgat agggtaatac acttttctct 120
tcttttctct ctttgtccag ctcttctgtt ctttatccat atcatactct atccctactc 180
aaggaaacct agcaacatgt ttatagttcc atatgtctca ttatgctcat atgtcattta 240
catggtatct tatatacagg gtttacacat ttatagtaaa cgatctttat atagttrata 300
caatatctgt ttttcttttc tctgcaataa aaacdtgttt catatccctc aaacacaccc 360
acacccctca cttacacatg tgttatcact gtttgccttt gtaaacctgt gtccaacgta 420
tacacattaa tcattttaagc ataccttggt gaaatccctg caacttgact actgtgcctc 480
caatttcttc ctttttatcc catcataata aacctggcaa taattgatcc aaccatatgc 540
acattgatat cacttatgct gtttgtctat ttttactact acaaacatgc tacaacaaag 600
ttccgggact cgag 614

```

<210> 1504

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1504

```

gaattcgcgg ccgcgtcgac aggtaagtca ttttaatttca cttttcaggc ttgttttggg 60
atattgtctgg gggcagattg ttaaggcctg ttttagaatc agctaccctt gcattgtaaa 120
tggggcttctt aagagcacca gatcgtggtc tcttggtctc cggcaaggca gagctgatga 180
gagaaggtec tttgcgcag cactgcaggc aggatgggat agtttgggtg tttcttgcctg 240
tgtgtgttct tctgtgtctg gtgagggaga cagctgggag ttggccttta tccagtgcct 300
gagagagctg tgggaaggat gagctcgag 329

```

<210> 1505

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (23)

<400> 1505

```

gaattcgcgg ccgcgtcgac agngaaatct gctctctcca tgtctcaagg cactgtggaat 60
aaattgtgga aagacctgtg ctgtctggct tgtgccttta cactatgtgt tatctctacc 120
tcaaattgctg tcttctctca ctggctaacc cttgttatcc tttataacag ctgagaagtt 180
gctgtctcaa agacacttct ttggcctgaa ttagaactgc cctctcacgt gctacttcca 240
tcacagatct taccatctat tatattatta catcacaca cacacacaca cacacacaca 300
ctcgag 306

```

<210> 1506

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1506

```

gaattcgcgg ccgcgtcgac ctttttttca cacaggtgat agaaatcctt ctaactcctt 60
gattctttca ctttatctta ctggtctctc catgtcagaa cacagaagtt gtgttttggg 120
tcgttttggg ttacagagct gtggtaagta ttggatgggc cattgtttgg atgttttoga 180
tgttctgtcc tttcttagat ctattcgggg gcatttgggt tgtctccaat ttgttggtae 240
ttcaaacat ggtatactca atacagtgtt ttagggtagg gattttttaca gaagaaacta 300
aacagccgtt agaaaattat ttttttacct taactcaacc agttattctc gag 353

```

<210> 1507

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1507

```

gaattcgcgg ccgcgtcgac ggaaaatgaa gctctttaaag atatgctgta aaacagccac 60
agagttcaca acaccttata tcataggtgt tcatgactcc taaaagtctg taagcccaag 120
aagacaagac catatctttt tcttagttaa tcatgatgga aqtattgtgc agatttttaa 180
actagcttta ttgtggttta attgacatac aataagtctg atatatttga agtatatagc 240
ttqataagtt ttqatatgtg tataccaata aactcatgac gacaatcaga taatgaacat 300
atccaaagac ctcgagttaa gttgactoga g 331

```

<210> 1508

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1508

```

gaattcgagg ccgcgtcgac gaggtccccc ttttttttaa atttctctgt gtgcttttct 60
ccccctgcta ctttttccat ccgttctctt tcaactcttg tctctttgca agtccctaaa 120
gtatcatcca ttttgccgtg tatttatggg tctccctcat tcttttctcc tcagtttttc 180
ctttttcttg ctgtcttggg gagcttctgc atgtgacca attctcgag 229

```

<210> 1509

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1509

```

gaattcgagg ccgcgtcgac ccaacagatg agtctttttt gtactagata gggaagagtg 60
aatgtcctgt gttgatatag aattgtttta gttatctgtc cctgtcttaa tttctctgca 120
tatttagtgt aattatcttc ttgatctatg ttgtcttagg atgcaagggg gaatttgagc 180
atccttctct caatcttttc ctctatcag agtctcagaa tccactcttc tatttccatt 240
tgactaaatc ataggcatct aagaggggag caccctcgcc cctactaac tagcagaata 300
agactgacca gtttccaact aatcaattac ttgagttacc atgtccggca gatttctact 360
ttgctgtatc tctcaactct gttgccttgt tcaattccag caccactctg ccagtccagg 420
ctttgatccg cacatagctg gactaactgc tcatctacct aatgtggctc attctccata 480
gcactatcag attaatcttc ctaatgtggc acttgacccc tactactctc tgcttaaagc 540
acaacctcga g 551

```

<210> 1510

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1510

```

gaattcgagg ccgcgtcgac gcttttttaa aaaatttcag aactgtgtac tgtgatgaaa 60
ctgctgacga atcctcagga attaatgtgc atcaaccac tgcttttgc cacaagttac 120
ttcagctctc tggagtgtct ctctcttggg atgagtttct tgcctcagcc aaatcttccc 180
cagtgtgttc aactgcacca gtggaaactg agccaaagct ctccctagc tggaaaccca 240
aatlattta tgagccacac ccacagctc gag 273

```

<210> 1511

<211> 291

<212> DNA

<213> Homo sapiens

<400> 1511

```

gaattcgagg ccgcgtcgac aattatcata ttttccataa agagagcatt gatttccatc 60
attggcatat tgagatgctt tctgttttga cattgggtcag agaattttaa aggaaaaaca 120
acattactgc acattcagga atcagaaata gaagtaaagg tcaggatctt aaagggaatc 180
ttgacaggat atcaggcctg ccttttaaaa aatcagaca tgataagttt actaccaatc 240
attttttcaa taacaacaat aatatttlla ttttttccca tggaaactcga g 291

```

<210> 1512

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1512

```

gaattcgagg ccgcgtcgac ccggtttcag cgaagtcgca cgtgaaggat agcagtggcc 60
tgagaaagac ccagtcctgg cagctctcag catcagttca ccattggggaa agcatgtgtt 120
caaagccatt ctgatggctc tagtggcctt tctctctct cactcagcat tggcccagtc 180
ccgtcgagac ttgacccac caggccaaca gaagagagaa accctcgag 229

```

<210> 1513

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1513

gaattcgagg ccgcgtcgac ccgccaccga aaatctgttc tgacatgaga atgttcacaa 60
aagacagcac tcttcgactt ctgctgataa gcttgggtct cgag 104

<210> 1514

<211> 357

<212> DNA

<213> Homo sapiens

<400> 1514

gaattcgagg ccgcgtcgac aaattttact gttgttttaa aaacctgtgt tttttatatg 60
aggttttaaaa aatccatatt tttcattact cctcttctag gttctgagtc ttctggtagt 120
gtagggtcat ctacaggctc tttttctcac atccagcagc ctcttccagg tacagctctc 180
agccagtctt ctcatggcgc acctgtcgtc tatccaactg tcagcactca tagttctctt 240
tcttttgatg gtggcctaaa tgggcaagtc gcctctctta gcactagctt ctttttgctt 300
cccttggaag cggcaggcat accacctgga agtattctga tcaacctact tctcgag 357

<210> 1515

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1515

gaattcgagg ccgcgtcgac ggtatttgtc taactgtatta acttcgacca tcccaataga 60
aacgtgcnaa taaatcattg atgatcttta attgctgcct gtacgggtgca ataataccaa 120
tatcagaggg actgcattca gcccttaacaa aaatggaggt taggaaaact atgagtttgg 180
cttctgttac attgctcacc accacctttt tcaacttggt ctggcgtctg actcgag 237

<210> 1516

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1516

gaattcgagg ccgcgtcgac cgaggacaga agatagaaac aagagtttga ggtttggctt 60
tgattagaaa cttgggtggc tcaaaagaaa cttaccagaa gcacagttag tgtaggtttg 120
gggtcccaaa aggttagcct gagcttttta gggctaaaaa tgggaaagaa acacctaaac 180
tgtgttttaa actaaattta tgactgagtc ctggccatgt ggtgatttat agtatgtgct 240
ttcagattcg ccttacttta atcatgaaaq ctctattcta tagaccacca cctgtgtgat 300
gtccttgttc tcaaaagacg tttaaacttg gactgttttt ccagtaaaa gagatttgc 360
ttcagaatgt cgaagtgtat cataacggat ggttcttcat tacttacaaa tttttgtaat 420
taattttctg atgaaacaaa aagctatgat gttgctgtta atgtgtattt gatagatatt 480
ggttgacaaa tgcaggctaa atgggatgtg gcaatacttt ggggcagat atagagcttc 540
gag 543

<210> 1517

<211> 431

<212> DNA

<213> Homo sapiens

<400> 1517

gaattcgagg ccgcgtcgac caactgcag gctccatttt ttcaggccat ccataacaa 60
tgggttcttg gatttctctt tctcttacct cccatgttct attcatttag aactcttttc 120
agtatagtct tgaaaataag ttggatttat tctaaactac tgttactgct cttgactttg 180
gacaatatgt tatcaaacag tgaccatttg aaagtataca aattatttga cttacttgag 240
caaaattctt ccgtggcttc tctctctacc cggaatccag ctggaagaat aaccactacc 300
tacctggccc tgcctggctgc ggtctcggac gccatcttgg cctcagcttc caaagcact 360
tccctctctc ccgtgctcca gctgcgggtt gtgctctctc ttaactctac aggatctcc 420

acccccctcga g

431

<210> 1518

<211> 361

<212> DNA

<213> Homo sapiens

<400> 1518

gaatttcgagg ccgcgtcgac gggagggtcaa agctgcagta agtcaagatt gcaacgctgc 60
actccagcct ggggtgacaga gtgagaccct gtctcgaaaa agaaacatac ataaggaata 120
tattgtctca gatattctaaa gaattccagga gtacacctgg ttttggccac tgggtgatgt 180
gggtgtggaaa caatctttct ccattctctta ggtctactgt tttctgtgtc tcttccattt 240
taagatagac ttttgtaagt aaaagtttac tgtttccagt ggaaggaagt tgctcttttc 300
caaacagtac caataaaaagt tccaaggctg actcatgggt ccaactatag cagtgtctga 360
g 361

<210> 1519

<211> 274

<212> DNA

<213> Homo sapiens

<400> 1519

gaattcttga gtcaaataca ccaagtcgga cttgcgggta atcgaagtca ctgagaccat 60
ttgcaagagg ctcttgatt atagcctgca caaggagagg accggcagca atcgatttgc 120
caagggtcatg tcagagacct ttgagacatt acacaacctg gtacacaaag ggggtcaagg 180
gggtgatggac atcccttatg agctgtggaa cgagacttct gcagaggtgg ctgacctcaa 240
gaagcagtgat gatgtgctgg cgacgagctc cgag 274

<210> 1520

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (21)

<400> 1520

gaatttcgagg ccgcgtcgac ntacgcatgg gcactctgag ttcataggaa gatagttaaa 60
aagaaaatga gtataggatt tgaactaaaa ataacatggg acttgaagat tgacttgcaa 120
agtccagttc attattttga cagatgcatt tcaagtagag ttgccagaca aaatatagga 180
ttttgagtta gattagaatt tcagataaac agcaataaat tgttttaata taagtatgtc 240
cgccaaactg tagatatact gaaagctatt gctgtttatt gaatcaaaat ttaattgggg 300
gtctgttaatt cagtttgcca aatctggctc cctagttcc acacaagtta atttcttgca 360
cattgtgata taggaggctg gataccatag atacggtaga gttgtacatt atccaggctg 420
cctgagttcc aaaccagtat ccattcttaa ggtcttatga ttaggataaa agattttcta 480
cttcagcaca aagtgccttt tgaataattg cgatgattat ttctggaaat ctgtcccatc 540
ttagcattgc tagagttggg ttatcatgag acataactca agagaaatta gctatactga 600
gatcatttta tcaaaggtag tcttgacata ggcaatttga tatgtcccaa gtctgcctcc 660
aatgtcaggt gagttcccaa actcgag 687

<210> 1521

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1521

gaatttcgagg ccgcgtcgac gagattgtgc cctcttttcc attctctccc aatagatctc 60
atgtctaaca ctactctaac tttgtctccc tctgagacca gcatagaactc cagttctttc 120
tggcctctcg ag 132

<210> 1522
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 1522
 gaatttcgagg ccgctgtagac gtgatcttca gttttcactt gcacctttga atattctgcc 60
 atgtttgaat tctttagaat gatcaagcat cttttttgtt gttgggggtt ggttttttgt 120
 ttgggtttgt tttgtttgag acagagtttt accctgtcac atgggcttga gtgcagtggc 180
 atgggtcatgg ctactgcaa ccttgaccat ctgggctcta gtgatcctca gcttccccga 240
 gtagctgaga tcacaagtgc taatttttga aaaattgttt gtagagacag ggtcttacta 300
 tgttataagc ccaggcctct cgag 324

<210> 1523
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1523
 gaatttcgagg ccgaggcaag aagtctccgt gtatacagat tctgaaccca ggcaagaagt 60
 tcccatgtgt tcagacctg aacctaggca agaagttccc acatgtacag gccttgaatc 120
 caggcaagaa gttcccatgt atacaggccc tgaatccagg caagaagttt taatacggac 180
 agacctgaa tctaggcaag aaattatgtg tacaggccat gaatccaaac aggaagtctc 240
 catatgtaca gatcctatat ccaagcaaga agactccatg tgtacacacg ctgaaatcaa 300
 tcaaaaatta cctgtagcaa cagattttga atttaagcta gaagctctca tgtgtacaaa 360
 ccttgaactc gag 373

<210> 1524
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1524
 gaatttcgagg ccgctgtagac tcgagattta ctggcaactg ttcttttccc atcaaaaatc 60
 agtgaatgtt tgcgtagtat aaatgctgct tctttaaacc acttgctgct ttaggatcaa 120
 ctttacctgt acctttcttc ctttctctcc ttgccacctc aggtgcaaat ctgaactcag 180
 tgtctgcttc ttccatttcc tcgtctctct cccctcttcc cccatccgc gtttgctctg 240
 ag 242

<210> 1525
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1525
 gaatttcgagg ccgctgtagac cttgaattct aaaagccaga gctgqaaata accgaaaagt 60
 ctttaaggag tgtgctgctg tggctgccc taaaaaaag ctaatlqagt atgtagaaga 120
 gaattctagc tctgaaagtg tctgttctgg tcggaagctg cctcaccgca atgcttctgc 180
 tgtagctaga aaaaagtatt tacataattc tgggaagatga acagagctta aagtcagaaa 240
 ttgaagaaga ggagctaaaa gatgaaaatc aaccattacc agtgctcagt tctcacatcg 300
 cccagagcaa tgttgatgaa tctgaaaaca gagactcaga gtcagaaagt gatctgctgg 360
 tagcccgga aaattggcat gctaattqct acaagtccca taatccagca ccttcaaaga 420
 caaaatttct taaaatagag tcttctgagg aagactctaa aagtcatgat tcagatcatg 480
 catgtaacag aactgctgct ccatcaactc ctgtgcagag cctcgag 527

<210> 1526
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 1526

```

gaattcgcgg ccgcgtcgac ttcacatcgc tactgttatt atgctatttg ttagcaccat 60
tgccaatgtc tggttgggtt ccaatacggg agatgcatca gtaggtcttt ggaaaaactg 120
taccaacatt agctgcagtg acagcctgtc atatgccagt gaagatgcc tcaagacagt 180
gcaggccttc atgattctct ctatcatctt ctgtgtcatt gccctcctgg tcttcgtgtt 240
ccagctcttc accatggaga agggaaaacc gttcttcttc tcaggggcca ccacactggg 300
gtgctggctg tgcattcttg tgggggtgtc catctacact agtcattatg cgaatcgtga 360
tggaacgcag tatcaccacc tgctcgag                                     388

```

<210> 1527

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1527

```

gaattcgcgg ccgcgtcgac gagctagggt acgggtgcag gcaggaaaca gaaacaacac 60
agctacacat tcttgagata actctgggtc ttatactgaa actaaccaac taagaaaatt 120
attcaatgca ttatacatcc ttaatcccca caacactcga g                                     161

```

<210> 1528

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1528

```

gaattcgcgg ccgcgtcgac atcctaagca catacgcata tttaaactgg caccaagctg 60
ttaattatgt taatgccttt atggcacaaa aatgtaaaat ttactattaa cttgggggct 120
gacctaaaga gctggcaaat ctccctatc ctccctatc tggctatctt gctgggcttg 180
caatgccagg gcctacttag aatagccaca gccacacatg agcatcatgg gagactctctg 240
ggggcaactc cagcttcttc ctctaaaatg attcccgact ccagatcct cgag                                     294

```

<210> 1529

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (424) ..(427)

<400> 1529

```

gaattcgcgg ccgcgtcgac agatgtcaga ggatttagca aagcagctgg caagctacaa 60
agctcagctc cagcaagttg aagctgcatt atctggaaat ggagaaaatg aagatttgct 120
aaaattgaag aaagatttat aagaagttaa agaactaacc aaagaccttc tgcnaactca 180
acctcttgag acgcttgcaa gttcagacac ttttgctctt actcaacctc ctgattcatg 240
gaaagtagga gacaagtgtg tggcagctct gagtgaagat ggacagtgtt atgaagcgga 300
gattgaggag atagatgaag aaaatggcac cgttgcaatc accttgctg gttatggcaa 360
tgctgaagtg actccactgt tgaacctcaa gcctgtagaa gaaggaagga aggcataagga 420
ggannnttgg caacaaacct atgaacctcg ag                                     452

```

<210> 1530

<211> 369

<212> DNA

<213> Homo sapiens

<400> 1530

```

gaattcgcgg ccgcgtcgac ctgaagtaac caacaactag gtctttgtta gctaagcagt 60
gtataagtta ttaacaaaac tcaaaaacag ttaactgtgg ttggaaatat tcattctaaa 120
aatcaattta tgaataaaaa aaactcacca aaaaaatcat caagtaagta gaggagacat 180
aatlggttga aaataaacta agagagaaaa aacctctaaa acctctctaa aactccaaat 240

```

cctctctctctt tgattgttca tttttattgc ttgttttatt ctctcatggg tcaaaatcct 300
 ttagtattttt ttttaattgc aaaagcaatg agtgaggctt tcgggaaaag cagaaacgtt 360
 gggtctgag 369

<210> 1531
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 1531
 gaattcgagg ccgcgtcgac ctcgagagtt tcttttgaga acattatact attggctcta 60
 gtctccaaac caataaaaaa ctaaaacttg ttccaagac tgggaggtta agtaggctta 120
 taaaacaata cagcaaaaga aagccaagtg gcttaattgt ttcagtggtg ctgcccctct 180
 tagcatgggt actttccaga tgtcactcga g 211

<210> 1532
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 1532
 gaattcgagg ccgcgtcgac gtcgattgaa ttctagacct gccacatcaa tctcagggtt 60
 gattacaaga ttccaagaag cctgaacaa ttcaatttca accatgcctc tagaacatcc 120
 tctcttcaca aaaaacccaa ctttatctgc tcgtcccatg aaagcagggt ttcagctaa 180
 accaaggcaa atggcacaca caaaactcga g 211

<210> 1533
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 1533
 gaattcgagg ccgcgtcgac caaggagact aagatgcaga aacccacttt acctttatct 60
 caggaaaagt ctgcaattaa aaaagctagc aaccttcaga aaaataaaac cgctagctcc 120
 acgacaaagg agaaggagac aaaactacct ttactttccc gtgttccaag tgcgtgttcc 180
 tctctagtac cattaaatgc taaaaattgt gctctcccag ttcttaaaaa agataaagaq 240
 cgttcctcat cttaagaatg ttctgggcac tctacagaat ccaccaaaaca caaggaacac 300
 aaagcaaaga ctaataaggc cgatttctat gtatcttcag ggaaaatttc tgggggacct 360
 ttgcgctcag aatatggcac tctacaaaag tctccccctg ctgctttgga agttgtgcca 420
 tgtatcccaa gccatgcagc actcgag 447

<210> 1534
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1534
 gaattcgagg ccgcgtcgac gtgggaaagg aaggaaagaa ggaagatttt ctgatgaagc 60
 catgcttgag aggtaatgac aactaggagt tagtcagatt agtgcttggg tgaggcctaa 120
 gaaggcaatt atgaagctga gaagctcgag 150

<210> 1535
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 1535
 gaattcgagg ccgcgtcgac ctctagagac gaatttgcct gaattttaaa atcttccctac 60
 acacatctag actttcaagt ttgcdaatca gttttttagca agaaaacatt tttgcctaac 120
 aaacattttg ctaagtctgc ccaaaagccc ccaaatgcct tcttttaaca aaatacctac 180

tttqtacttt aaagttattt tagtcatgaa attttatatg cagagagaaa aaqttaacga 240
gacagaactc gag 253

<210> 1536
<211> 273
<212> DNA
<213> Homo sapiens

<400> 1536
gaattcgcgg ccgcgtcgac gcaacatggc gtccaggtct aagcggcgtg ccgtggaaaag 60
tggggttccg cagccgcggc atccccagc ccagcgcgac gaggaagagg aaaaagaagt 120
cgaaaatgag gatgaagacg atgatgacag tgacaaggaa aaggatgaag aggacgaggt 180
cattgacgag gaagtgaata ttgaatttga agcttatccc ctatcagata atgattatga 240
cggaattaag aaattactgc agcagccctc gag 273

<210> 1537
<211> 347
<212> DNA
<213> Homo sapiens

<400> 1537
gaattcgcgg ccgcgtcgac cctaaaccag cgaacaccag tgcactcacc attcgctctc 60
caactactgt cctctttact agtagtccca tcaaaaactgc tgttgtaccc gcttcacaca 120
tgagttctct aaatgtgggtg aaaatgacaa caatatccct cacacccagc aacagtaaca 180
ccccctctta acattctgcc tcagtcagca gtgctacagg aacaacagaa gaatcaagga 240
gtgttccaca gatcaagaat ggttctgtcg tgcctcttca gtctcctggg tccaggagca 300
gcagtgcggg gggaacatct gctgtggaag tcaaagtgga tctcgag 347

<210> 1538
<211> 287
<212> DNA
<213> Homo sapiens

<400> 1538
gaattcgcgg ccgcgtcgac ctggctgatg gagcacgaag acgaccccga tgtggaacgag 60
ccttttagaga ctcccccttg acatatccct ggacggggagc ccacttctc agagcaaggc 120
ggccttgaag gatctgggtc tgctgccgga gaagcaaacc cgctttgagt gaagaggaaa 180
gacaggaaca aactaagagg atgttggagc tgggtggcca gaagcagcgg gagcgtgaag 240
aaagagaggt acgggaggca ttggaacgtg aacagcaaca tctcgag 287

<210> 1539
<211> 298
<212> DNA
<213> Homo sapiens

<400> 1539
gaattcgcgg ccgcgtcgac cgttgaatc agcattcaga gcaacttcca gccaggaatg 60
aaattggaag tggctaataa gaacaaccgg gacacgtact gggtaggcac gattcattac 120
acgtgcgggc agctgctgct tctgcgtac tgcgggttacg gggaggaccg cagggccgac 180
ttctggtgtg acgtagtcac cgcggatttg cccccgtgg ggtgggtgcac acagaacaac 240
aaggtgttga tgcgcggga cgcaatnaaa gagaagtaca cagactggac aactcgag 298

<210> 1540
<211> 425
<212> DNA
<213> Homo sapiens

<400> 1540
gaattcgcgg ccgcgtcgac ggagagagca cttgcagggg aactcccatt tataaaacca 60
tcagatctta tgagatttat tcaatacctt gagaacagca tgggggaact gctccatga 120

```

tccaattatc tccacctggc cccacccttg acacatggga attgtaacaa tccaagatga 180
gatttgggtg gggacagagc caaacccatc aattcttccc tggccctccc aaatctcaag 240
tcttcacatt tcaaaagcaa tcatgccttc cccaaagtc cccaaactct tatttcagca 300
ttaactcaaa attccatagt ccaaagtctc atctgagaca aggcaagtc cttccacctc 360
tgagcctgta aaatcaaaaag caagtgagtt atttctctaga tacacaggga tacaagcacc 420
tcgag                                           425

```

<210> 1541

<211> 347

<212> DNA

<213> Homo sapiens

<400> 1541

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gaattcgagg ccgcgtcgac ttatacttct gctacctgtg gtctttgtct ctttaccctg 60
aagacctctt tgcttggtcc acttaggtcc tgcctccaa ctctcctgcc ggtgtcagcg 120
gtgaccttta ttcattgggtc cagtggacaa cctaattgctg tctttctgca ttctacaact 180
tcatttggca gtgttgactt tccccactc ttgaaacac tcaactgctgg ttctctggc 240
aggatgttct tctttccctc cccccaccc tttctcttgc ccttcccttc actgtctgtt 300
tcgttttttt tcttctaccc agcactgaaa cctgggtgtt cctcgag 347

```

<210> 1542

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1542

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gaattcgagg ccgcgtcgac cggagaaaag tgcattggtg cagcttgctt gaaaataaca 60
ttgctttgct tgttctacta ctctacatta ggggagaatt tcgategcca ggccagcctt 120
cggcgggtct taatttacac agacactctg gtaagacgac cgaagaaagt caaaaggaga 180
aagactatta caggagtccc tgacaacata cagaaggagc tagcatcagg cactggccaa 240
gatgatgctg atggccactc agtgtacacc cctgatctcg ag 282

```

<210> 1543

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1543

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gaattcgagg ccgcgtcgac agcgttccct ttgctgcctc caccaccgtc actgttctct 60
ttccaaggag aacatcagtc ccattggatt gttttcttca ctagtggatt ccagggtctt 120
ggagcacaga aggcacccaa taaaagtcat ctgaatgagc caattccttc tccatttttc 180
catgtggcta tttaaagcaa ctgtctactt tcttcccttc ttcaaccttc cccacctctc 240
agatgccttc tacctcagag gagaaaataa atgctactct cttcaactcg ag 292

```

<210> 1544

<211> 218

<212> DNA

<213> Homo sapiens

<400> 1544

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gaattcgagg ccgcgtcgac gtcaggggaa ctaaaaaaga aaaaaacagt cttgcttgca 60
gcaggtgtct catgcactac tttcttcaat ccttttctgc catagtggga attctggactt 120
ttgagtgttg cacatgctgt gtagcacaca ttgggcagga tctctatggg ttctctgaac 180
atgacctga atgtgttagc tctcccatca cactcgag 218

```

<210> 1545

<211> 452

<212> DNA

<213> Homo sapiens

<400> 1545

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gaatttcgagg ccgcgtcgac aatgaggagg ttgaggcgc gcgtctctggg caggaagcct 60
ccccagcttt ctgaggatga tatctggcta aaaagcgagg gagacaacta tagtgccacc 120
ctcctggagc ctgctgccag ctctcttttc ccagatcaca aaaacatgga aattgaggtg 180
tctgttcgag aatgtaaaag tgttcctgga atcacctcta cccacatcc catggaccat 240
ccctccgctt tctattcacc ccgcataat ggcctcctta ctgacacca cgaatccctg 300
gataatgatg ttgccagaga gatccgctat ctgatgagg tgctagagg caactgctgt 360
gattctgctg tggatggaac gtacaatgga acatcctccc cagagcctgg tgcagtgggt 420
ctggtggggc gcctaagccc cctgtctctg ag 452

```

<210> 1546

<211> 449

<212> DNA

<213> Homo sapiens

<400> 1546

```

gaaattcgcg gccgcgtcga ctttgatttt gggttgacgg cttctggagc ctctcagaga 60
tggatggggc caaatactgc acccaggctt ccccatcaga atcagcacag acgcacctgc 120
atctaccatg tagtttcca cagtatcttc tgggtgggatg ctgggtgggt gccaaatttt 180
cactaaagcc aaccatgcgg agaagcacc tgggtctgtg cctccctgtg ggtatagtcg 240
gtgtttatcc agaactagaa gatacaatag caagggaaga tacaatagca agcattgctg 300
aatgctacag tgaacactc tgaggctttt tgtgaatgaa ttcatttagt ccttgtaaac 360
ctctgggggt agctcaccat tctgtctcca tccacagat ggagaatgag gcacagagaa 420
gttaagtaac ttgcccaact tcactcgag 449

```

<210> 1547

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1547

```

gaatttcgagg ccgcgtcgac ctgtggatca tttagctgca gtctcttttc ctacaacctt 60
gattagatca tataagttcc agaagggcat gccaccacga attcttctta atactgatgt 120
agcccccttc atcagtgaat ttactgcttt ccagaatgta gtcttggttc tcgag 175

```

<210> 1548

<211> 211

<212> DNA

<213> Homo sapiens

<400> 1548

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gaatttcggc aaagaggcct agtaaggaaa aaaatctggg ctgttagagt gaaaaagtgt 60
gttttatgac aattgtgaaa ggaaaatgtt aggagtatgg tttttaaact tgggttccat 120
tttaaaattt ttttttttaa acccagttat ttcacttgat ttgctagctt cagagaagag 180
atccgaattt gtgcccagcg ctgggtctga g 211

```

<210> 1549

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1549

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gaatttcggc aaagaggcct agtgcaggta ctgttttagg tagagtgtac aaagaaacca 60
caagtaatcc tgatgggttt acacttaag aaaacctgtt gggatagcag agaacaggat 120
aaaaattata aaataagaga ttggaatatg aagtattttg ccttaatat tttcaatttc 180
agcctctctc tctctcagtg tctctctctc atgtctttct ctcaagcagg ccaactcag 240

```

<210> 1550

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1550

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gaattcggcc aaagaggcct acgattgaat tctagacctg cctcccgccct cattgcctgc 60
cctttccccc ctcagtggag ttctgcaaca cttagattct ttgtgcaccc tatatacatg 120
agacaatttc ttgccttgag gcctttatgc atgggtgttt tctgttcttg gtatgcttcc 180
ctcccttccc ttgtctggc taagctcgag 210

```

<210> 1551

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1551

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gaattcggcc aaagaggcct aagattgaat tctagacctg cctggccttg tatgttttaa 60
gagttttaca attttatctc ttatgcataa atctgtgac catttgaagt taatttttgt 120
tttgttttgt ttgttttgtc tggttttttt ttgggagatg gagtctcact ctgttcccca 180
ggctggagta cagtgtacag tggcacgac tcagctgacc acaacctctg ccccccactc 240
cgag 244

```

<210> 1552

<211> 254

<212> DNA

<213> Homo sapiens

<400> 1552

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gaattcggcc aaagaggcct agggagtggc actaaggatc aagtatactg ttaaaagaaa 60
acaaaaaccc aagcatgagg aaggcgggtg ccacgtctat gtgggcttcg tgctgtgggc 120
tgctgaatga agtcatggga actggagctg tcagggggcca gcagtcagca ttgcaggag 180
ccaccggccc attcagattt acaccaaacc ctgagttttc caccaccca ccagcagcta 240
cagaagagct cgag 254

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<210> 1553

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1553

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gaattcggcc aaagaggcct cccgacaaga gcaaaaactc gtctcaaaaa aaaaaaaaaa 60
aaaaaaaaaa tagaacatct catccacatg tccatatcca ctaactggat ctttgttttg 120
ataatctctt tcccttcttc tgcaggttta ctcccagtat atccatttct acctgagcca 180
ctcgag 186

```

<210> 1554

<211> 239

<212> DNA

<213> Homo sapiens

<400> 1554

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gaattcggcc aaagaggcct aaacagatgt taaaattatc agtgaaagtt ttattggaaa 60
aaggaattga gatatatatc tgagatttgg tgaaattgaa ggagaaaatt taagtgaagt 120
tttaaaatat attctgaatg aaaaactgtat tgaggattca tttttgtccc tttttttttt 180
ttttctcttt tctctctttt cttctctttt atagctctagt tttaggcagc cacttcgaa 239

```

<210> 1555

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1555

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gaattcggcg ccgagtcgac ccagatgaga ctgttgcctg agccagtgtt ttgctggtaa 60
cttgtgagag atgttgagac acaggaccca tttaagtggg atccatatct cagatccatt 120

```

gtaactgtaa gttagtaaac tttgttggtt taagccaacta aggtttgggg taatttgtta 180
 tgaagcaata aataactcat atgccaacta tgtgccaggg aactattttg gctctgggga 240
 caactcgag 249

<210> 1556
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 1556
 gaattcggcc aaagaggcct aaatttatat cagggtctttt tttcccccct taattctgag 60
 tttttgctag gatagatctt tcacctctta qaaaatcact ctatctgate tttaaatccg 120
 tgagttggaa tgagaaatat tccacttgcct aaaattttct tcagcttttt aactttttac 180
 aatctcaaca ggtcaaaggc agatctcgag 210

<210> 1557
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 1557
 gaattcggcc aaagaggcct actatatctc atacaattag atttgttctt gectcaagac 60
 ttcagtctga ttggatgttg atgctgtatt ttgcacatac tcatttgact gtgacagtca 120
 ccattgggtt gcttttgatt ccaaaagtctt cacattcaag caataaccca cgagatgata 180
 ttgctacaga agcatatgag gatgagctag acatgggccc atctggatcc tacttgaaca 240
 gcagtatcaa ttcagcctgg agtgagcaca gcttggatcc agaggacatt cgggacgagc 300
 tgaaaaaact ctatgcccaa ctggaaatat ataaaagaaa gaagatgata acaaacaacg 360
 cctcagag 368

<210> 1558
 <211> 474
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (19)..(23)

<400> 1558
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 tagcacagtg aggccaggg gctttgaact tectcctaga ttccagttct gaagccttca 120
 cttactggct gagagacttg ggcataatat ttaacctctc tgtgagttat ctcatcgata 180
 aaatgggagt actgacagta ctgtatctcc tcagaggatt gttgcaaaga ttaccttcag 240
 taatgtgcac agagtactta ggacaatacg aagtgtgcag taatacattg ccattaaaaa 300
 gagatctcgg gtgtccgcgg gttgccgaat ggagctgagc atcttgatgg aaccagggat 360
 ctccaggtga agactgaagc cctaggctat ggcggaagtt gggtgccctga agtacaagtg 420
 gaaatatgcc aactgaacc taaacgctcg attgaattct agacctgect cgag 474

<210> 1559
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 1559
 gaattcggcc aaagaggcct aattgaatgt taccagaggc tttttctcca cctatggaga 60
 taatcacatt tttgttctct cattctgttg atttactatg tttattgttt tgtgtatgtt 120
 cctcagag 128

<210> 1560
 <211> 250

<212> DNA

<213> Homo sapiens

<400> 1560

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gaattcggcc aaagaggcct agctctctat acagatcttc caaacagaca agcccttcag 60
agccaagatt gcttcaatca ccagcatgtc agaaatagca tcaccagctg cctgggttaa 120
caagtcataa atgttttcaa gcattcttagc agcttttctt ttcttatctt ccagttgttc 180
tgctgattgt ttatcttcca ttccaacagc tgtactaaac agtgcagtgc catgcccatt 240
tgctctcgag                                     250

```

<210> 1561

<211> 229

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (21)..(22)

<400> 1561

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gaattcggcc aaagaggcct nntgcagagg tgctttatat aaattattct atttaacct 60
taaatataac ctacaggtag atattccagt agaatagtia caacaataga gagtaaatta 120
gcataatgta aaaatggaca tatgctcttg tttttttttt tttttttttt caatagagat 180
gggatttttc tatgttgccc aqgattggtt cccaaacttc ggcttcgag 229

```

<210> 1562

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1562

```

gaattcggcc aaagaggcct agtcgtgggt caattgaggt ttctgttggt ccaatgggat 60
ctgttatctt ggcttttatt tggttttttc tagcagctgc ttcactagca gtcctcggtt 120
caggagagtc tgaaggaata gaaggaattat tgatgttqga gactggacaa tcctttttgg 180
caaattttaa tgcaaaatat gcactcgag 209

```

<210> 1563

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1563

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gaattcggcc aaagaggcct actttgaagc atacataata ggtgttggtt ttttttttc 60
tcattgaata atgggtagtt tcattgcagc tcattctctt ctgtttgttt cgtataaggt 120
tgatagttca ggaaccattca gaccccatgt tcagttcata tgcctataag tcaccattat 180
tactgaatga atcaaatctg gctgagttga tgaatttacc catgattcct tcttcgtctg 240
cttccaaaaa gaaatgtgag aaaggttata atcttcgag 278

```

<210> 1564

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1564

```

gaattcggcc aaagaggcct acctgatgc gtgatgatgg caccaccttc ccagatgata 60
ttcacgagct ttatgtgtac aagtgtgatg agaatagcac atttaataac catgctctct 120
acctgggctt gacctgctgc aaagaggact acaatggctg cccaatattt ccttctagcc 180
tcattcttca ggcagttacc aaagagtttt tcttcatttc cactaaaggt ttgag 234

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<210> 1565

<211> 294
 <212> DNA
 <213> Homo sapiens

<400> 1565
 gaattcggcc aaagaggcct agttttctga agatacagcc ttagtgaata aaacctggaa 60
 tttcttaggt gagcggaaaa ataagaggct ttaaactctt catccacaaa tacaagcatg 120
 aaaacttggc cactttttta aaaaattttc ttttttatgg cggttgaggt ggaggtttca 180
 ctgtgttggc taggctgccc tcaaattctt gggctcaaag gatccgccta cctcaggctc 240
 cctagtagct gggactacag gcacatgcca ccgcacctgg ctctcccact cgag 294

<210> 1566
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 1566
 gaattcggcc aaagaggcct atttaaacag caaactgtgt gcactcaact gttatcacia 60
 tgttgtcaag aggtctgtgt cttttaccat tttacacaca attgttcatt acagtatgtt 120
 gtcagcctcg tggaaaccag ggggtgtgtc tggtaagcag tggtagtagt gcacctagct 180
 tttatattat cactgcctc gag 203

<210> 1567
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 1567
 gaattcgcgg ccgcgtcgac atgcagcccg ggaaagagct agagacaggg aagaacgatt 60
 ggcagcactc acagctgctc aacaagaagc tatggaagag ttacagaaaa aaattcagct 120
 caagcatgat gaaagtattc gaagggacat ggaacagatt gaacaaaaga aagaaaaagc 180
 tgctgagcta agcagtgggc gacatgcaa tactgattat gcccccaaac tgacctctga 240
 g 241

<210> 1568
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 1568
 gaattcggcc aaagaggcct ccgagattct ggtgaaaatt aaattagata aacgatgagc 60
 agaatgtctg aacacatgtt tggcaatcag aaagtatttt ctccaacctc ccttccccaa 120
 cacacctctc aaaacctttc ttttcatttc taccactcag ttccatctct cctggactac 180
 tgcctctcga cagggttttc agccttttgt ctactactcc ttcaaaccat ttcaaaactg 240
 ctattacaaa caacattcaa aaatcagaaa ttgatcatg ggaactccctg tcaaaaatcc 300
 tccatagtgt ataacattca gaacaaactt gcattcagag aaagtccacg tgtcccttgc 360
 ctcgag 366

<210> 1569
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1569
 gaattcggcc aaagaggcct acgtcgattg aattctagac ctgcctccag cccataggct 60
 aattgatatt cttaacgagg gaaggcaagc acctcatgaa aggttttqtt tgtgttttct 120
 tttttctttt tatctctgtt tctagagaaa gaaaccttat cagtccagca gatcttaata 180
 gattagaaaq aagccaggag aqtattaaag aactcttaac acaagagaat ctcgag 236

<210> 1570

<211> 184
 <212> DNA
 <213> Homo sapiens

<400> 1570
 gaattcggcc aaagaggcct agcaagattg tttctcggga acagctgtat atgaaatgtt 60
 gattctcagg gagacaccta gacacctgaa ttgcagcaga ctttttatgg tgttgctaag 120
 ttgctggctc ttctcatcag tagcaggcct actctcactg tcacatatct cccacggctc 180
 cgag 184

<210> 1571
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 1571
 gaattcggcc aaagaggcct aagatagttc acaatttatt ccgtgtatcc aagcctgcgt 60
 aaacgggaat ttgctaaagc aaattgggaa ttggggatta actaaaggga attgtgagaa 120
 agagaaagaa caacttttaa gaagtatgtt aactgtcata tttcactta aggggtcctc 180
 cgag 184

<210> 1572
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 1572
 gaattcggcc aaagaggcct acgagatgaa tttctatgca ttattggaaa ataaggacaa 60
 agtcttecta tttatcatgt tgtggattat tgatggaga tgcgtggat tggctcagtc 120
 aacatccact tcacctcaa acaggtatgc ctctctgcaa agcaaaagga atcccaaac 180
 ctcttgacgc tatagttgcc aaaagcaatt tcagttctgc caaccagagg gactcgag 238

<210> 1573
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 1573
 gaattcggcc aaagaggcct agattgaaag tgatacaatt tgaatattgg tatattgtca 60
 ttggtcagta atggaaaaat gagattccac cagtggggtta ctctttctct gtcttggtct 120
 gctatgccct atccagatc agtgttttgt tccatcccta tggtcatctc taaagccctg 180
 acaggagcat cccagactgg agaaatgcag caactcgag 219

<210> 1574
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1574
 gaattcggcc aaagaggcct aattttgcatt ccttagagt cttctatttc tgtttttatc 60
 aaagcagctc tcatcattga aagcagcaga gctgttttgc tcttaattaa ctaatttaac 120
 aaaaaccagg gatttatctc aatcttgaaa taattgcctt ctgtcgaaca gttttaaatt 180
 atacagttag caaaaattta agaataatct aaatgaaaat tagaggggga ctccag 236

<210> 1575
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1575

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gaattcgccc aaagaggcct agtqatctat ccccatctga ggcgcacaag ttttgagta 60
atttattaga cagagataac taatacaaat ttttcagtgg acaatatatt cctgtttttg 120
gatattgctg tcattggaag actgtgccag aaggtaaattg aagggtgggtg taatgtttca 180
tattagaaaa atcctcgag 199

```

<210> 1576

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1576

```

gaattcgccc aaagaggcct aagagaaaac gaacagagct cctttataca attgaatgca 60
ttgcaggtta gctgaagtga aatcaagtca agaattattg ctgaggaaat atcaagttac 120
tgtaaaggta aatccatcaa gaatatctaa agtcagggag gaaaaaaaaa gaatttagtg 180
tttatctatg tatgttaact catgattagt agatccaata tgagaattaa tgtggtgctc 240
gag 243

```

<210> 1577

<211> 252

<212> DNA

<213> Homo sapiens

<400> 1577

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gaattcgccc aaagaggcct atgagaaatt aaatgatccc tgcagagttc caaaagtttg 60
gtcaattata tgtgtgcgtt attatttatt ctattatttg ctacaaatca agctcagttg 120
atcattttcca tgtcattaga agataagtgt atctttctga gggctaaggg tcattgctgaq 180
ctagaagggt gcaaggctgg agaggaagtg ccttctctcc agcgtcagca aaggctgcgg 240
gcagggctcg ag 252

```

<210> 1578

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1578

```

gaattcgccc aaagaggcct agagagattg cttttctctg aatcatttca ttctagactt 60
tcateatttc ctgctaagtt gtaatgttac ctgtcttctc cttagtctct agcttatctg 120
aattttattc tgttatgtcc gcacaaatta ttatcaagtt ccactttggg ctgggcgcag 180
tggttcacgg ctatagtcct agcacttttg gaggcgcagg cagactcgag 230

```

<210> 1579

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1579

```

gaattcgccc aaagaggcct accttttttc ccccatcatt ttgcattctt tgccaaactt 60
taaccttgca gttctccatc cctcatcaaa tgccatcttc tgggattctg ccattgcctt 120
gtttgcctga ctcaccatca tgetttagcat cttttgggca ctgagtcctg tttttgccc 180
ctttacttgg acatcatttt aactgtcact cctcgaacac ctggaatctc gag 233

```

<210> 1580

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1580

```

gaattcgccc aaagaggcct aatttaaagt gctgcttttg attctcttga gcattatgca 60
ttatagttgt tatccaaaga cttttttgaa aatatgcaga aatttgtggt aattatgtat 120
ttgtgtcttg tgacaattat gttttataga cctacactag tgccaggtca ctattgtaag 180
atgttaaat ctcaagaata tttccagat gcactcgag 219

```

<210> 1581

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1581

```

gaattcggcc aaagaggcct acgtcgattg aattctagac ctgataacaa aggccttgct 60
tattcctgat atcctatcat catctttacc aatttctggc aattatatcc ctgggcctaa 120
gttcccatct ttgtatcctg cctcatacc ccaagtcctc atgaagtggg gtcctgctt 180
gctctacaca ggactcgag                                     199

```

<210> 1582

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1582

```

gaattcggcc aaagaggcct aattgaattc tagaccccc gccagcttcc cacacctcat 60
acgcagccac atctgcccta ttctccatgc ttccagctt gcctgccctt cctcatctct 120
ccttgctgt gcagacctcc acctctcttc cctccacccc tccatccccc aatgcttgta 180
gaccttccat tcattcctgc tcctcgtggg tggctctctga tcgtccatca cctgaccttc 240
tccaggactg tcttctcacc ctctccctcg ag                                     272

```

<210> 1583

<211> 408

<212> DNA

<213> Homo sapiens

<400> 1583

```

gaattcggcc aaagaggcct aggagtggag gttcaggacc aaggggcttc tggctctcca 60
gccccgtac tcggccatgc cctgcggcca ctgcgggttg cggccctaatt tgtgcctaaq 120
gctgacccgg cctgggctgc gtacaccttc gccctgcttt gctttaaagc ctgggggtct 180
gcccggcccc tcgcccctgc ctggcaactgc tcacccgccc aggcgacgcc ggcctggacca 240
ggcactgctg gctttctcc tgcctggcct cggaaaccagc tttctctctc tacgatgaag 300
gctgatgccg agagcgggct gtggcgaggc ctgggtcagt cccgtattta tttgctttg 360
agagagaggc acctaaacc gtcgattgaa ttctagacct gcctcgag                                     408

```

<210> 1584

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1584

```

gaattcggcc aaagaggcct atgtgaatat tgtaaaagtg ctgtatgttt agtagtggtg 60
tgtgcctggc agtgctgact atgactactg tccatctct ctgtgacctt gatgtcaggt 120
acctggccat ggggctacca gcaaggatgt gcaaagggaag aaccgctgcc cctgccctca 180
gcttctttat gcccagacca ctacttatcc gtgaatgtga gtgccaagag aaaccttaatt 240
tgggtggggaa gccaaggcat ctcgag                                     266

```

<210> 1585

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1585

```

gaattcggcc aaagaggcct agctgtgttg ccattagaac atttaaata gtttcattct 60
gagttttgta ttgttaaact gtgtctggaa actaaacttt ataatgtgtt acattttagg 120
tcagaagaca tgtcttcata tacatggcat ctctccttac ctctatgtgc catacgatgg 180
ttatggacag cagccagaaa gctatctctt tcagatggca ttcagtatcg acagagcact 240
taatgtggct ttaggcaatt cactctccac tcttcagcat gtgtcgatga aactcgag 298

```

<210> 1586
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 1586
 gaattcggcc aaagaggcct agaataccat cgttaacaag atataaatcc ttacatatc 60
 atgcttccca taccttttcc ttccattctg cttacgtaca atacttacct tgaaagttag 120
 cagtgaacac tcccagtcac catgcatagt ggaaagcttc aagaaataag aataataata 180
 aaaaagttaa aactataatg ataacttggc cgggcacact ggctcactcc tgtagtcccg 240
 gcgctttggg gggccgaggc gggcggatca ctcgag 276

<210> 1587
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1587
 gaattcggcc aaagaggcct atggtagttg aagagagaac gtttaattct caattcctct 60
 tgcaggtagg cctcgaactg ggcatacata tattctacta tcggcttata gctgtcatct 120
 ttatttatct ggtctccaaa tcccacggtg tcaacaatgg ttaacttcag ccgtacattg 180
 ctcgag 186

<210> 1588
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 1588
 gaattcggcc aagaggccta gatcctcaca cctaagccat gttttaggtc cagctaccta 60
 ctccatatca cagcagaagc tgcagtttca acagggtgtag tagcttgccc acaccttggt 120
 gactaagtgg gggcagcagg ttttgaatct ggggtggactg cagctggaac ccacatactt 180
 aatccatacc ctagaatcta ggtaggaaaag agaacatgct ttatctgggg cccaggaaat 240
 gactgtggga ggcagtgcaa ggaattgagg ccagtgagggt gggcaggagg ccaatgatca 300
 cggcccccctg ttgcctttgc aatgcagttg ggtacatgtg acagtcattg aagaatgtca 360
 aaggtcaggg atgagattgt atgacatgat cagacctgtg ttttagccag atcactccgg 420
 gctcgag 427

<210> 1589
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 1589
 gaattcggcc aaagaggcct agacaacttc agcagtcggc acaagtcaca ttccattttg 60
 attqaatata tgatcttgaa cagctcctgt acttgctctt tgtaaaaaaa aataaaaatna 120
 ttttgaatta ttctaccttt gtaaaacaatt ggctaaaaga atcattctta agaaatttag 180
 ccatttacat gtttgtgttt ttctatagca gagcattata ttttgcatta tatgtttcaa 240
 cctagtctaa gtgggtcttt ttacattttt tcaagaacgg atttccctgga atacagcgat 300
 ataatttttg ttgtcaaatc cctaattgca ccatttagtc taaacttagt cattttattg 360
 tgacaataaa atctgttcag gggctccctg tttttaaqag actccctcgag 410

<210> 1590
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 1590
 gaattcggcc aaagaggcct aggcacatga tgactgaagg aacgaatatt tggagtggct 60
 aactaacatc aaaaagagact ttacatttaa actgagagat actttctgga gtagaattca 120

```

agttcttttgc tctcttttgc ttgaaaaagg cagatttctt taggcagtag ttaggaatag 180
catcttgata tgagcaagat gaaacgtggc tgcgaaggga atctctctaaa atgcttttat 240
ctcactatga agctattttt aaaagttaca tgtttattac taattataat tttgggttacg 300
aaacaggaac aactcgag                                     318

```

<210> 1591

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1591

```

gaattcggcc aaagaggcct actctctttt aaataaactc cattcttccc attccatgat 60
gtctcttaac tctgctctcg cttttttctg tctgttttat tctccctcca ctccctgtct 120
cctggcattg ttcactccgc tgtgctccat tgcagaacc gtggaggaaa cccctcccg 180
ctgcagccca cccctctctt tctcgag                                     208

```

<210> 1592

<211> 303

<212> DNA

<213> Homo sapiens

<400> 1592

```

gaattcggcc aaagaggcct agacagtcca actagaagag actggtaaga gattgcagtt 60
tgcagaaagc agaggtccac agcttgaagg tgcctgacagt aagagctgga aatccattgt 120
gggtacaagg taggaacaga gttttaaact tgtacaaagt ttaatcattt caaatttttg 180
cattgtttta aaagacaaca ctattctgga taacctgggt tcttccctgat gaacagtttg 240
tttgggtgtt gttttaacat aatacttttt ttctgttgta gtattgttgg agactctctc 300
gag                                     303

```

<210> 1593

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1593

```

gaattcggcc aaagaggcct actttaatgc ctttggcctt ccattctgat ttctctgatg 60
agaatattgc tggccctgct tccctggta ggtatttggc aggcccaatg ctttaacctt 120
aagctgatac tttgcttttag atgtcagtc cgttaaccag agccttttga cccaacaacg 180
gcactcgag                                     189

```

<210> 1594

<211> 291

<212> DNA

<213> Homo sapiens

<400> 1594

```

gaattcggcc aaagaggcct agtaaaaaatg aaaatgaaag atacataact tatgccattc 60
atatttatga atataggaaa gcacttgaac ttttggcctg tctgtgggcc ttcagaattg 120
ggcagtggaa catcctgttg gaagcactgt catgtgggta cctcagagcc tggccctctc 180
tttcagcctt acctcactgc acagctccag ccaaagggac acgtgcacca aagggtcaca 240
cctgaccagc ttttaatcat tccatagact gaaatgcctt cactcctcga g 291

```

<210> 1595

<211> 416

<212> DNA

<213> Homo sapiens

<400> 1595

```

gaattcggcc aaagaggcct atcccggagc aagcgggcaa agctgctcaa aaaggaaatt 60
gccctctctc gaaacaagct gaggcagcag cacaacacac cctgcccac ggggcacagg 120

```

```

ttggaaggct tccaagagga cggagctggc ctggggcccg aggcgggcga ggaagtcctt 180
ccgaggttgg agactctctt ccagcccaag aaaaggctgc ggaagacatg cggagactcc 240
gaggtggagg aggagtcccc aggaagagcg ctggacgcag gtctcaccac cggcttttgg 300
ggtgcgagga gcgagcagga gccggggcgc gccctgggga ggaaggccac accccgacga 360
cgctgtgcct ccgagtcacg catctctctc agcaacagcc cgctctgcga ctcgag 416

```

<210> 1596

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1596

```

gaattcggcc aaagaggcct aaaaagacat ggagaaatca ggtttttttg gtgaaaataa 60
acatcaatac ccattttgac gtgaatatct aaagtgttat gaaaccaact acatatattt 120
ttaaaatgct ggggctcata cgtgaagggt gaggactgtg ggcaaatttg gaaagattct 180
ctacatttaa agattattta agggactggg attatatgca caggataggg taaataatca 240
gtcacaacag attctggagt gaactgggga gaagtatggg atagtgcaga gctcgag 297

```

<210> 1597

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1597

```

gaattcggcc aaagaggcct agttgaactg tgtgttatct gatttctaaa ctcttgactg 60
ttcccacaca tcttgacctc cggttgtgaa tataaacaga gacattttaga tgagcatgtc 120
taatgggtcat attaatctta gaatttggag actcttgagt ttctttcttt tttctttttt 180
tttggagaca gagtctcgtc ctgtcccca gctcgag 217

```

<210> 1598

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1598

```

gaattcgcgg ccgcgtcgac cataccagaa ttttaggatt ttattttacc ttctaataa 60
taattagttc taaatgtgtg ttaacctctt tttcccccac ttaagggtt tgtgttttca 120
tatcttatct ttttgattg ctcttataat aatgaactct tctgttatag gtatgaaatc 180
accagaagaa caactggtgt gtgtgccacc acaggaggcc tttcctaacg accccgggt 240
aataaataga cagagaagtc ctgattacca gtttccatcc tctccattta cagacacact 300
aaagggcacc actgaggatg acgtgttgac aggtcagggt gaggagcagt gtgtgccagc 360
agcagaggca gagccgctg cagtgagegt aaccacgctc gag 403

```

<210> 1599

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1599

```

gaattcgcgg ccgcgtcgac ggtgtagatg atgtttgggg tcaattttct ctctgcctc 60
ttcacagtgg gctcactgct agaacagggg gccctactgg agggaaacca actcgag 117

```

<210> 1600

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1600

```

gaattcgcgg ccgcgtcgac ccagcattct aggatataca aaaggctaga gtttggagag 60
gaaagttaat ctatttatga agtttaggaa aacacatctc gag 103

```

<210> 1601
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1601
 gaattcgcgg ccgcgtcgac atcacgaggg cttcccttca gagagctgac aatattaaca 60
 gcacagagaa tactaggtct gttgattaaa actcaagget tcatactgta agggccccc 120
 aggaagcatt aaattgggccc ataggaagga caagtcacat ccagtttagt gatcaatggt 180
 gggttgggaa agaaataaca gaattctact cctacatgat agggagagac tacagaggcc 240
 acctagacca acaaactctg ccacaggtc cttgaatcat tgctaccatg tcttgggtgt 300
 gggtgtagca ttgctagtga tatgtaactc attacctact tatgcaaacc tcgag 355

<210> 1602
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (592)..(601)

<400> 1602
 gaattcgcgg ccgcgtcgac aaggagataa atatcttgcc ttagtcatta caaagcaata 60
 tcttgatatg taaatgctaa tctggggccc gggcagtttc aactagaaat atacgtaaga 120
 tttcagaaag aactcatacc agtttggtct tatgtctttt ctttaagttct tactgtgatg 180
 atatggttca ttaaaattat tttttttctg atacattcta attaacatga aatcctttat 240
 gtactgcact agcttttaaaa aataataata attttaagag actccaatga acattaatgc 300
 atttttttat ttatgcacag caattatatt ccagaagtga gaatcatgtc aattcccaac 360
 cttegtctaca tgaaggtttag taccttgctc attaacagga agaaaaaggg attgatcaat 420
 gatgtgtgta catgtgtatg tgggtggcag tgtgtgtatt tggcacagga tccagtgage 480
 aagggataga aaagaagaca gtttgggata ataaagacta aatttgttga cactgagatt 540
 cttgacaaca gcattctgatg aaaagtaggg agaaggagca ggggtgcacat tnnnnnnnnn 600
 ntgagtactc gag 613

<210> 1603
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 1603
 gaattcgcgg ccgcgtcgac gggcgaggtc ggactggaag gtaaaaggtc tgcacagagtc 60
 ttggggagaag agaggtccca gtggggacac gtacgtgtca gcctgtccac actgcttctt 120
 caggtgggta cagtaattgt gagcgacccg cgtcacaggg tagatactga actggcagag 180
 agcaccttca aactggaact catgcggggt catcttccca aagaggaagg aqccccagg 240
 gtgcagtgcg ggggtccctg tggaaaggca gcaggacagg caccgggcgc tgcgcgagg 300
 cagtcaccag agtgactgtg cggcatcgga gctcgag 337

<210> 1604
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 1604
 gaattcgcgg ccgcgtcgac cttgggaact cgttatccgc gatgcgtttc ctggcagcta 60
 cttctctgct cctggcgctc agcacccctg cccaggccga accggtgcag ttaaggact 120
 gcggttctgt ggatggagtc ataaagggaag tgaatgtgag cccatgcacc acccaacct 180
 gccagctgag caaaggacag tcttacaggg tcaatgtcac cttcacagc aatattcagt 240
 ctaaaagcag caaggccgtg gtgcacggga tcttgatggg cgtcccaagt ccttttccca 300
 tctctgagcc tgaatgttgt aagagtgcga ttaactggcc tatccaaaaa gacaagacct 360

atagctacct gaataaacta ccagtgaataa gagaatatcc ctctataaaa ctggtggtgg 420
 agtggcaact tcaggatgac aaaaaccata gctctgag 458

<210> 1605
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 1605
 gaattcgcg ccgcgtcgac cttaaaagtt atagatttgc aaatttcaaa gaaagccgtc 60
 ttattttaatt gatataattga aattttataac tcacctttca gtggaatagt ttttgtaaat 120
 tcatgagaaa gaaacaaaat atcaatttat agtagttgat ggtgttataa atccagaaga 180
 agctctataa cattataaaa atcaagattg gttgttcaca ttttagagta ccaaaggcag 240
 caaatgatg taatttataa ataataaate ttaactgtt gataaaccaa actctgaagt 300
 atttttaag aggtttatcc taagccaatg agtgaccata gcccaaggag cagtctcaag 360
 aggtcctgag aaagtgtgca ctgggtgttg gagttacatt ttaggagta ctgag 416

<210> 1606
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1606
 gaattcgcg ccgcgtcgac cctaaaccgt tgattgaatt ctgacctgc ctgagtgca 60
 ggatattgac ttctgaattc ttaagtttcc ttcttcccag ctctatgagg ccactaatag 120
 ctctatcaat gttattggcc ctcatcccag gcaacactca gcttctcagc tttttgctt 180
 cccagaatca gcaatacat tcagctaaga aaaaaaaaaa agctgcagca catcagctcg 240
 ag 242

<210> 1607
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 1607
 gaattcgcg ccgcgtcgac aatcaggaat ttgaagaaaa tggaaatgtt tacatttttg 60
 ttgacgtgta tttttctacc cctcctaaga gggcacagtc tcttcacctg tgaaccaatt 120
 actgttccca gatgtgtgaa aatggcctac aacatgacgt ttttccctaa tctgatgggt 180
 cattatgacc agagtattgc ccgggtggaa atggagcatt ttcttctctc ccgaaatctg 240
 gaatgttcac caaacattga aactttcttc tgcaaagcat ttgtaccaac actcgag 297

<210> 1608
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 1608
 gaattcgcg ccgcgtcgac cattgaactt ttctaccggc cgcataccat caccctgctc 60
 agcttcacca tggtaagcct catgtaactt gcttttacca gggatgactc tgttccagaa 120
 gacaacatct ggagaggcat cctctctgtt attttctctt ttcttatcat cagtgtgtta 180
 gctttcccca atgggtcgtt cactcgacct catccagcct tatggcgaat ggtttttgga 240
 ctcaagtgtc tctacttctt gttcctggta ttctactct tcttgaattt cgagcaggtt 300
 aaatctctaa tgtattggct agatccaaat cttcgatagc ccacaaggga agcagaagtc 360
 ctgag 366

<210> 1609
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 1609

aaattcgagg ccgcgtcgac gtgcattata ccgacttcag tagattcaca ctcaaatctt 60
 ttcagtgtca tacattttatt aagccataaa gttatgaaac cctcagctct tgtactcgag 120

<210> 1610

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1610

gaattcgagg ccgcgtcgac tgacaccttt ccccaaatat agattacaat aaagaaggct 60
 actaaatgca tctgaaaagg tggatcctga ctactgttag gctagactcc ctaagctccc 120
 actatgccca gctaatttct ttttgtattt ttagtagaga cagggtttca ccatgttggc 180
 caggttggcc tcgaactcct gacctcgag 209

<210> 1611

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1611

gaattcgagg ccgcgtcgac attctagacc tgcctcgagt ctaccagga ctgcttgttc 60
 tttcttaaaa ccttaagcta actgtaggtc atcattcaca tgccaaaaat ccagccatgg 120
 cttctctttc aaaattaana gtgaatatct tatccttagg cccattccta ctctccagcc 180
 ttaaccttct tcccttctgc cactgctatc aagaaccgg cccactcgag 230

<210> 1612

<211> 387

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (380)

<400> 1612

gaattcgagg ccgcgtcgac tgggccttta gaagacttgg cttcttcaact ggagagcttt 60
 tattcaggag gctgctagca ccagtctcc ctgcggcctt gccaaaggga gagtgtgaa 120
 agggctgcat ctctgtgctc gggtgactt caccgtcacc tgggtttctc tcttccaggg 180
 aaaagggttt cttattgggg cttattttct tctgtgcca aaagatagcc atgtctttat 240
 gcaaaccttt ccccttcttt ctageccagg ctgcagatgc atgatcaaag aaatgtacca 300
 ctgcaagctt tttgtgccc ctggtaaaga tgcgtgcac tttagcaatt ttgcaaaaat 360
 ggttctccag aatggaacgn tctcgag 387

<210> 1613

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1613

gaattcgagg ccgcgtcgac gtaggaattc caggttcagg ttccagcaca gccaatat 60
 tcacaggatt gttgtgtgaa ctgaatgaaa cacacacata tgaaaaaaag gtatcttgat 120
 aaatcagtaa cttttataac accgttgtgc caaaaaaaag ccttacttta ttaactttatg 180
 tgcattgtct cattaatata ttctagtgtc cgtgattgtc aggtcagcac tgtcagccac 240
 ttcaagaag aagagaatag gggagatctc gag 273

<210> 1614

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1614

```

gaattcgagg ccgcgctcgac gttcttagta ttttaagaggg cttcataatc acagaagaga 60
gtgatattat aggattagaa cattgtattt ttgggttttg gtgctgaagt tctaatctta 120
cctctgaagt gatcctgata ttttgccaaa gttgtgactt taatattctg tggcttgtaa 180
ttgtgatttt tctaatacca gagtagaatt ctggggagga atttttctaa acccaaatac 240
ctcaatttga agtgaggctt ggcttttaaa aataacacat ttgagtttga gcttttctct 300
caattaagtg gtatgctgca aaaaggaatt cggtttagcg tcgag 345

```

<210> 1615

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1615

```

gaattcgagg ccgcgctcgac cgattgaatg ggggttttgt ggggtctttt tgttgatatt 60
attgttggtt tctgtttgtt tgtttgtttg ttgttttgtt tgttttttat ggtcaggcca 120
cttgctctata gtcctgctgt ggtttgcgtg ggtctgcttc agacctagt tgcctcagtt 180
tttcccatat ctgaaggat caccagtga agctgcaaaa catcaaagat ggcagcctgc 240
ttcttctctt gcttcttctt cgcgcagct catgcctgta atctcgag 288

```

<210> 1616

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1616

```

gaattcgagg ccgcgctcgac gtgttccgga cacaagaaa tgataaatgc ttcagggtgat 60
agatatgcta attatcctcc ttttatcatt acactttata caaatgtatc aaagtctcac 120
actggctggg ccggtgact cacacctgca gtccgaactc gag 163

```

<210> 1617

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1617

```

gaattcgagg ccgcgctcgac atttttaaac agctgtccat actttcttga acctaaagcat 60
acaattgaac tgtttccact gcacctgctc taacatttct ttttgtctca tttctctttg 120
tggctaatta ttaagataat ataaacttgc attaataaat ttaatgagaa agtgtttagg 180
ctatgtgttg cagctcacat ctgtaacccc aacacttttg gaggtgagg caggagaatc 240
tcttgagccc aggatttcca gatcagcctg ggcactactg caagacctcg ag 292

```

<210> 1618

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1618

```

gaattcgagg ccgcgctcgac cacacagtgt taccggatga ggagcttggt cttgctttgc 60
tttctctgct tttctctgtt tgtcattggc tctcccgccc tctacacgc acccgctctg 120
ttgtctctct tttctctcag tttctctcca atccctcttc acttctcttt actccctctc 180
cccaggtaag tctctggggt tttctctctc tttctgtctt cccatctctc cgggcagctg 240
tctctgtctg gtctgtctc ctgtctctcc gccctctctc acgcacctgc ctgttgcttc 300
tctcattctc cagctctctt ccaatctctc tttctctctc tttctctctc tttctcaggt 360
cgctcgag 368

```

<210> 1619

<211> 108

<212> DNA

<213> Homo sapiens

<400> 1619

gaattcgcgg ccgcgtcgac ggctgggtcaa tcatcagttt aggcctgccat aactaataac 60
 atagacgggtg gcttaagcaa cagaatgtat tttctcacac tactcgag 108

<210> 1620

<211> 287

<212> DNA

<213> Homo sapiens

<400> 1620

gaattcgcgg ccgcgtcgac caagaagtcc aggaacaagt ctcccaaaaa aactgaaatt 60
 gtaactgtct aatgttaaag tcaccttttg cattctctcg gctaggagtg aggggaactg 120
 ggaagaatga attcctgaca cacctttctt tgggtttttt tttggctttt gcagtgcctg 180
 catctacctt cagcccgctc ccaggggcca attacagtc cactccctac acccccctac 240
 ctgtcccccac ctacactcca tccccagcac cagcctatac cctcgag 287

<210> 1621

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1621

gaattcgcgg ccgcgtcgac gggctccccc ttcccagtc ttaacaacaa aaaacaaaaa 60
 accagcctgg agatctacat tgtgatgctt ttaataaact tgactctttt ctgggcagc 120
 tgtctcgag 129

<210> 1622

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1622

gaattcgcgg ccgcgtcgac taaaatcaga acgtcagctc ccggtttggc aatgggcagg 60
 tgtttttcaa aatttggttg taaagctttt gtttggatat tcaaatttat tccccctga 120
 aacaaatata tctacttagt aaatatctgt ggaattatct ttttaagctat gagtagcaaa 180
 aaagggtggc ttgtgtcac ccacttacc ctcctcttta gctcctgggg cagacatctg 240
 gaattcttcc tagcactctt cctgctgata ccagatacaa ctgcagtagt tcataacatg 300
 accctgcagg tgcccacaac caaggcatta ctcgag 336

<210> 1623

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1623

gaattcgcgg ccgcgtcgac ggattaccag cactcaggc cacaagaacat ccattcagcg 60
 ggcgtcttaa ctgtggacca cctctgctgg cgtgtgggca gtgactccca ccttcagcgg 120
 gcgccacacc cacccaatat gcattgttgg ggtgaggaac ttgttcttga ctccttcaca 180
 ctacagggtg gctataacca gcctctgggc ctgtccagca ccagtcaga taccctttt 240
 cttgatgtg ccattcgagg acttcagggt gaagcatcag atacctgtgc ccacactcga 300
 g 301

<210> 1624

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1624

gaattcgcgg ccgcgtcgac tggagatgag tcttgggttc caattcatgc tgtttatct 60
 gcagctggac attgccttca agctaaacaa ccaaatcaga gaaaatgcag aagctctat 120

ggaaggtttcc ctgggttacc ggcagcagc atttgetgag tggactgaaa tggcccatga 180
aagagtacca cagaaactcg ag 202

<210> 1625
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1625
gaatttcgagg ccgcgtcgac ccacatttcg ttgtgtctg tttccaccat tcatagaaac 60
cttggaaacca ctctcacagc aatgctagga tgtttcatgg acctgttaag cttttgatg 120
atacaagaca tctatcaat gccagtctta ttttcgctag gactctgctt ccacagtaag 180
ctcctaaggt gctcaccaca cccaggagaa aagctcgag 219

<210> 1626
<211> 389
<212> DNA
<213> Homo sapiens

<400> 1626
gaatttcgagg ccgcgtcgac gttgcagacc tcataatgac gctgacattt ccatttcgaa 60
tagtccatga tgcaggattt ggaccttggg acctcaagtt tttctctctg agatacactt 120
cagtttttgt ttatgcaaac atgtataact ccctcgtgtt ccttgggctg ataagcattg 180
ctcgtctctt gaagggtggt aagccatttg gggactctcg gatgtacagc ataaccttca 240
cgaagggttt atctgtttgt gtttgggtga tcatggctgt ttgtcttttg ccaaaccatca 300
tcttgacaaa tggtcagcca acagaggaca atatccatga ctgctcaaaa cttaaaagtc 360
ctttgggggt caaatggcat actctcgag 389

<210> 1627
<211> 265
<212> DNA
<213> Homo sapiens

<400> 1627
gaatttcgagg ccgcgtcgac cacatagaga ctttaatttta gatttagaca aaatggaaat 60
tatttcatca aaactatca ttttatgac tttagccact tcaagcttgt taacatcaaa 120
cattttttgt gcagatgaat tagtgatgtc caatcttcac agcaaagaaa attatgacaa 180
atattctgag cctagaggat acccaaaagg ggaaagaagc ctcaattttg aggaattaaa 240
agattgggga cgtccgaac tcgag 265

<210> 1628
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1628
gaatttcgagg ccgcgtcgac gcatctcgta agatgaagaa tagttagata ttcttttgtg 60
ttatcttagt accattacca catctgagaa aattagcaat aattgttcag tttctctctc 120
aatctctatt caaaattgtc cccagcttat ttgtggggac ttgaaaaaaa tcagataaag 180
cagataaatc aaatacatc catttatgca ttgattgtt aggtgtctcg ag 232

<210> 1629
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1629
gaatttcgagg ccgcgtcgac ggaggagat gagtatgtta atgaagataa aaagaagtga 60
catctcttgt aactgaact cacagaacat ttgtttacaa ttctgttnga ctgtctgctt 120
ggagtctaca taccaaagtt ctgggctgtt tggtaacgta acgtttccaa acattttgnc 180

tggccaatgg gttctataga aaagtcggt tagtgtagag aaattgaaaa cagatctatt 240
 aggttgggtgc aattgctttt gcaccaacct aatatttgat ggcagtgggt tatcatgata 300
 tacccttttat gaattaatgt ttataaatga ctgtactgaa tttaaaaccg tacagtttca 360
 ttgcatctt gacattactt tattatacat ttgcatctta aaaggctgca ccagttgggt 420
 tttctctgt tttattctca aaatatagag attctgtgat ttatttgcct tgtctgctc 480
 gag 483

<210> 1630

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1630

gaattcgagg ccgctcgac taaaaatagg tttttaaatt ttagctaagt ctttaagta 60
 ttgccttgc taataatttt atctccttga gtcggttgt ggggagagat tttatattca 120
 ataattttta gttattttgt aatgcagagt gttatttcat ttcacagttc cgcaatggat 180
 gtagtatttt gggattgccc tgtccagaaa atttccagct acacaccttt aaaggaaaat 240
 gttctatct cagatgaaac atgtaatttg ggatggctcg ag 282

<210> 1631

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1631

gaattcgagg ccgctcgac gagaatagtt cacaagtaag aattaaaata taggcccgtt 60
 gttccatttt agtgggggtt gatacaaagc acccagaaag taaatgcttg agaatagttc 120
 acaagtaaga attaaaatat aggcccgttg ttccataatg aaatcctata atttggccat 180
 aaaactaata tttttaatta ttgcatat tggattaggg agcaagggtt aagctgaaag 240
 actcgag 247

<210> 1632

<211> 253

<212> DNA

<213> Homo sapiens

<400> 1632

gaattcgagg ccgctcgac aaaaaagtc gttgtattgt aactcccttc ctacagacac 60
 cttcccatag aataaaccca gaataaggat gacatttttg gtaaaactat tcaactatac 120
 aatattacac attttccctg atattctgtg atctggacaa aaactaggta aaaatctagt 180
 tcaagtatcg tgttaacttac agttatgac cactaccac cgtttcaatt atttaacaat 240
 ggactcactc gag 253

<210> 1633

<211> 388

<212> DNA

<213> Homo sapiens

<400> 1633

gaattcgagg ccgctcgac ctgagattga cataatgggt agagaatcat cttaggtctg 60
 tctaatcttc tatataaggt ggtatagcag atgtaacaag tatactctta actacagtt 120
 taaaaatgaa tggaaagact cagagttagt gcttggagga tggtttggag gggagcaag 180
 taaatacagg gagaccagt aggaggccc ttttcagggt agagcttata tcttttgaat 240
 tagggttatg gttgtagaga agatagatgt agaaggaaat gaaagaattt ttagggatat 300
 gtcaaaaata actcctctgt agcttccaca attgggggtt tgttgcctgt gaaggggagt 360
 ggtggttaag ttggagggtt ttctcgag 388

<210> 1634

<211> 306

<212> DNA

<213> Homo sapiens

<400> 1634

```

gaattcgcgg ccgcgtcgac atactgatca cgtgggatgt tgtttgccta cagggtaact 60
tggaggggtc aggggtgcgtg gtggcccaga gcatgggtccc cagtgccac ggatgagacg 120
gcgtgtgtgc tgtgacctg ggcaacttag catcgctgag cctcagagtc agtgtgtaga 180
attatctaag gggcttgta caagatgccg gcttcccacg gcttttgtca gtactcagtt 240
aatctgctgg tgcctgtaaa gcacctgaaa caggggttgg ccttcagaaa atggcagcta 300
ctcgag 306

```

<210> 1635

<211> 203

<212> DNA

<213> Homo sapiens

<400> 1635

```

gaattcgcgg ccgcgtcgac aagtcctttg ccatgaggaa aaagtggttt ttgtcttcac 60
atggtaaatc tatattatc atattgaatg tattaacaga taatgggtgca aaagcattct 120
tcccagggga agagtgtatc atgcataact gcaatttaag tcttcccttt gataataact 180
caaacatac acagctactc gag 203

```

<210> 1636

<211> 210

<212> DNA

<213> Homo sapiens

<400> 1636

```

gaattcgcgg ccgcgtcgac ctcaagatct ttgcaaatgt ttcttgtctg gatccccctc 60
ctcttccctg caacttttcc cctagttacc tcttacaatc cttcagaact cagatgcaaa 120
tcactttctc aaggcctcaa ggaagccttc tgtggccctc cggaacagat caagtccagg 180
ttcttgccta tttaaccac taaactcgag 210

```

<210> 1637

<211> 183

<212> DNA

<213> Homo sapiens

<400> 1637

```

gaattcgcgg ccgcgtcgac ccggagtact gttggctacc cctctgcttt cattccaaga 60
ttttttcttt atctttgatt tttagatttta tgcagtttaa atatgatatg cctaggtgta 120
gcatttgggg ctttgtgtgt gtgtgtgtgc gcgcgcgcgt gtgtgtgtat gagagagctc 180
gag 183

```

<210> 1638

<211> 241

<212> DNA

<213> Homo sapiens

<400> 1638

```

gaattcgcgg ccgcgtcgac gaataatgaa accaaccgaat catctggatg ctttttatta 60
tcattcctgca gctgaaatc taaacaatat cagtgatagc atactccca ttggggatca 120
gtatgaagaa ctgtgctgc acagaaagcc ctacgtgcac tgtctcctgc tattaatttt 180
ccttgaagtc ccatttctca tcattgaac aaaatccttc acggggcccc taactctcga 240
g 241

```

<210> 1639

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1639

```

gaattcgcgg ccgcgtcgac cagttttaca agtgcaccagt gtgacaagta taccacgtgt 60
gagggtggcg ggaccagtcct atgaggacag gaaagaacag tatgtgggca tctttatttc 120
cattagtcac tttttcattc aacaaataca tcttatgcaa tgcagccttc tgggtgtgtg 180
gctgggcaga taaaagacac atcccacagg gtcttgccct taaggattct ccagtcgggt 240
ataataatat gccaaaaacc acagcaccgc ag                                     272

```

<210> 1640

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1640

```

gaattcgcgg ccgcgtcgac ggtcaggcgg gaaaacgggc ataaaagtat ccaagtaagg 60
aaaagggaaa gctgggtaag gctgcaagcc ctgcgacaag ggcggcccat gcaggccttc 120
cggtgcagtt ccgggggctg cgtattctct tccgggtgag gtgcgggctg ggaggggaaa 180
agctgggacg aqgtaagggg cctggctggg caccatggcg gcaggtggga aggtcgggct 240
cgag                                     244

```

<210> 1641

<211> 555

<212> DNA

<213> Homo sapiens

<400> 1641

```

gaattcgcgg ccgcgtcgac ctctgactgg aagtcgcage tggtcattcca ccgcaagggc 60
caccggccgg aggttccatg agcagccaga cagcacagtc cctcgggggc tgggtgttct 120
cggggcctgg atacagcctc tggggcacca gcagaagact ctggaggcag caggggatgc 180
cagagtgaac aaggggtccc aagccagttc cctgccccct gtctgggtct ccccaaaaqa 240
ctgggtgcaa ggaaaaggag ctgtctctct tcttcttgc cctgcctcct agagggaggt 300
ctgggttccc tcttatggct gaccagtgc tgtgggggtga ctgccaaagca ccaggctccc 360
tccctccctg tgacatggcc tgggctgaca acactccctc tcttgggacc tcttgcctc 420
aggtgggtgt tcaaaaactg tgccttccca ctgctctgtg cagaggctgg gcctgaggtc 480
tcagtgtgga gagcagcaga agaccagga aagcacagtc ggcttccgtt tctcctgctc 540
cctgtatgc tcgag                                     555

```

<210> 1642

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1642

```

gaattcgcgg ccgcgtcgac attgaatgta tgtcttata taatttttac tgaagattct 60
ctgtttctat gtagataact taaattcttt atttatcca agtggttcca taattgtttt 120
ttgaaagggt tttatgatag ctgtctttaa aattcttggt atcttgggt tagtctctct 180
tgttgtgttc tttctcatt tagttgaggt tctcgag                                     217

```

<210> 1643

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1643

```

gaattcgcgg ccgcgtcgac attttatatt tgggtgtatt aaggctacca aagaaaaaag 60
aatatcgaaa tagatttata ttttaagaatt tcaattgtgc cttaacttac tgccttattt 120
tctccatccc ccaagcttgg atgaactcca tcccagttca tcccacccc tcagggtgca 180
taggagcccc tagtctactg cattcctcca gtgcagcact cgag                                     224

```

<210> 1644

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1644

```
gaattcgcgg ccgcgtcgac ttcttacttc agcagttctt ttgtaaatta catttactgt 60
gtttttcata aaggtagaaa aaaattacca ataatttcag aaccaaagtc accattatta 120
ccattgacat ttaaaaaaat aatgttttat ggtggaatat ttttcaaaaa atactgcctc 180
atcagtgttt ttgcaagtc ttttctgtg tttcttctcat tttctcttaa aacaagcaaa 240
aatctcgag                                     249
```

<210> 1645

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1645

```
gaattcgcgg ccgcgtcgac gggaggggctt tgggttttga gctcagtgtt ctgggattca 60
tatctagagc tctcagattc atagccaggg ctccgggggt cataccggg gctccgaggt 120
tcatagccag ggcctttggg ttcatacctt gggctctggg attcaaaactc agggctctga 180
gaatctgatt cagggtctct ggggtgcaaac tcagggtctg ggggcacaag ccagggtctt 240
cgggactcaa accccgggct ttcagggtca aatctggggc tttgggggtc aaactctggg 300
ctttgtggct caaaccaggg gctctggggc tcaagcccaa atgggtatctc ttcgacttca 360
tagtcccccac tgccttcttg ctgagaaatt tctcttctct cattctcact catgltgcct 420
ctgagggtacc ctccggggct cctcatttct tcagaactct gcacatctct gggtctcgag 479
```

<210> 1646

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1646

```
gaattcgcgg ccgcgtcgac atactataag gataaacaac gtcaagtcca taaagcaata 60
atccctcaga aggaaagtc ttacttttca catattaata tttagtaatt tttcttgcct 120
ctaaaagtga gagtatcaca ccttaaata acactgtcta ctaagagaca tcatctcatt 180
tccacaaatg aagattttat tccaagaaac gagtttactg attggagcac tcgag      235
```

<210> 1647

<211> 357

<212> DNA

<213> Homo sapiens

<400> 1647

```
gaattcgcgg ccgcgtcgac cttgctagct atggccctct tactcggtct cctgttgcctg 60
ctggggctgt gggggaactc cttttcagga gggcagcctt catesacaga tgcctcttgg 120
gcttgggaatt atgaattgct tgcacaaaat tangagacc aagactccca taaagcttga 180
cccattggca ttctcttnga actagtgcct atcttctct atgtgggtaca gccgcgtgat 240
ttcccagaag atactttgag aaaattctta cagaaggaat atgaatccaa aattgattat 300
qacaagattg tctactatga agcagggatt attctatgct gtgtcccgag gctcgag    357
```

<210> 1648

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1648

```
gaattcgcgg ccgcgtcgac gtaagctggg ttctaccttc aggggtttta tgaaaaactga 60
tctgggttat cagaaaaaga ttttaaaaca gaaaatgacc tttctgccag tgacttgtga 120
atgctttctg tgttgggtgc tccacctaac aaagtgtctg tttttgccct accaaagtgc 180
agctttgggt gggacgaggg aactcgag                                     208
```

<210> 1649

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1649

```

gaattcgcgg ccgcgtcgac gcctctataa acctgagtat tgactgctaa aagtcaatat 60
ctgctgttca ttcagaaaat gagggctactt aacttgagta gcattgtttt tcttgccctt 120
tcactccac ccagggcctt ggcagtgttc gag                                     153

```

<210> 1650

<211> 242

<212> DNA

<213> Homo sapiens

<400> 1650

```

gaattcgcgg ccgcgtcgac ctactacaga gttaggetta actccacca acagccaagt 60
ctgaaaccac tgacggtaac atgagggctt tcattttctt tctcttcatt ctccggcca 120
tgttttcagc atcttcaacc cagatttcaa ataccagtgt cttcaaaacta gaagagaatc 180
caaaacctgc acttattctg gaggaaaaaa atgaagctaa ccacttagga ggacgactcg 240
ag                                     242

```

<210> 1651

<211> 286

<212> DNA

<213> Homo sapiens

<400> 1651

```

gaattcgcgg ccgcgtcgac ccaaaaccaa agaggaaagc caaatactac ctaagacaca 60
ttggcacctg agtatatatt agaaaactat gcaaataata attgcagctt ttgccagagc 120
tcaatttgc acttcagaga ttatattgct tataacccaa ctgcaacttg ctgctgtggc 180
actgaetgg atttccagtg tcccataac tagttctaat agggcttacta atattttaat 240
aatatttgaa ttctttgtc ataatgaatg tgccaaccaa ctcgag                                     286

```

<210> 1652

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1652

```

gaattcgcgg ccgcgtcgac cagagtctac atagaactat gcttcgtggg gttctgggga 60
aaacctttcg acttggtggc tatactatcc aatatggctg tatagctcat tgtgcttttg 120
aatacgttgg tgggtgtgtc atgtgtttct gaccatcaat ggagcctaca attcaaaatt 180
cagatattgt ctttcagaa aatcttagtc gatctctcga g                                     221

```

<210> 1653

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1653

```

gaattcgcgg ccgcgtcgac ctatgttgc ttgttgaata acataataat atatagcaat 60
aaccttttca ttgatttgaa taaatctatt gcataaaaa aggtgcacta ttgtagtgg 120
cccagaattt atttaaagaa aagcagttta aaatagattt atcacatatt tagttttaaa 180
tcccgaattt agttttcttt gtttatagca atcaaaattat taaatatatt ctattataat 240
atttttaatt cctattccc aaaagataag ggaatttgaa agactgtgga aaatgatttt 300
aggacgggca taccctgag                                     319

```

<210> 1654

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1654

```
gaattcgagg ccgcgtcgac tgccaatgtt ccacgttgtt ggaatcatgg cactgggttg 60
agcatacctc aactttgtta gtcagatgat agctgtccct gcattttgcc agcatgttag 120
caagggttatt gaaattcgaa ctatggaagc cccttatttt ctaccagagc atatcttcag 180
agataagtgc atgcttccaa aatcttttaga gaagcatgaa aaagatttgt actttctgac 240
caacaagatt gcagagtcgc taggtggaag tggatatagt gttgagagat tgtcagttec 300
gtatgtacca ctactcgag                                     319
```

<210> 1655

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1655

```
gaattcgagg ccgcgtcgac aggtttctga gacatctttg gttcttaata tcttccatgt 60
caacacggat gatcacaggg tctatggtac cgttgcctca ggtgatatec aggggttctc 120
ctatgtcttt tgaagattct agtcgaatca tcccactctt ttatcttttt agctccttgt 180
ttagtcatte actaatttcc atacatgata acgaattcta cggtgatctc gag          233
```

<210> 1656

<211> 585

<212> DNA

<213> Homo sapiens

<400> 1656

```
gaattcgagg ccgcgtcgat ttagcctgga acagagcggc actcggcctg agcggtctga 60
tatccagggtg ttcttgaaga aggatgactc agtgggttac cgggcttttg tgcagacaga 120
ggatcatctg ctacttttcc tgcagcagtt ggcagggaag gtggtgctgt ggagccgtga 180
ggcgtccctg gcagaagtgg tgtgcctaga gatggtggac ctccccctga ctggggcaca 240
ggccgagctg gaaggagaat ttggcaaaaa ggcagatggc ttgctgggga tgttcttgaa 300
acgcctctctg tctcagctta tctgtctgca agcatggact tcccacctct ggaaaatgtt 360
ttatgatgtt cggaaagccc ggagtcagat taagaatgag atcaacattg acaccctggc 420
cagagatgaa ttcaacctcc agaagatgat ggtgatggta acagcctcag gcaagctttt 480
tggcattgag agcagctctg gcaccatcct gtggaaacag tatctacca atgtcaagcc 540
agactcctcc tttaaactga tgggtccagag aactactaga tcagag          585
```

<210> 1657

<211> 340

<212> DNA

<213> Homo sapiens

<400> 1657

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caagggtgtt gtattagatg atgtagcctt tgggaaggaa ttagggttgt gccctcatga 180
atgggatttt tgctattata aaacaagccc aaagaaattt ggtaacctct tcttttaage 240
gaggtcattg caaaaagacg ctgtatatga accagaaaat gggctctcac tagacacca 300
atgctggtgt cttgttcttg gatttcccag cccactcgag          340
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<210> 1658

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1658

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gaattcgagg ccgcgtcgac agcatacctc aaactaatac agtccctatc aaacctttga 60
tcagtactcc tctgttttca tcacagccaa aggttagtac tccagtatgt aagcaaggac 120
cagtgtcaca gtcagccaca cagcagcttg taattgttga caagcagcaa ggtcatgaac 180
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ctgtctctcc tccaagtctt cagcgcctcaa gccagagaag tccatcaccs ggcccccaatc 240
 atactttctaa tagtagtaat gcatcacaatg caacagttgt accacagaat tcttctgccc 300
 gatgcctctg ag 312

<210> 1659

<211> 219

<212> DNA

<213> Homo sapiens

<400> 1659

gaattcgagg ccgcgtcgac gctactggct caaatccagg ttctggcgct aaatagcgac 60
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 ttgaaaatgt ttctagtctt tttctcttca tttctctctc attccatttc tgccttaact 180
 ttagtttctt cacagggagg caaagctgac aatctcgag 219

<210> 1660

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1660

gaattcgagg ccgcgtcgac agctactaaa tctggctctaa tagtcaagac catcgcatct 60
 gaagttctaa tttctattat ttagttcata actaaaatga ttctctcttg gaataaactt 120
 gtactcgag 129

<210> 1661

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1661

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 tctctctctg acatttgatt ccaattggaa aactttgggt ctgcctttct aggcagagg 180
 ccgagggttg gctctctcca acaggcagtt acagcttgaa ttctgcttct tccccagac 240
 tcgag 245

<210> 1662

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1662

gaattcgagg ccgcgtcgac atgtgtgaag ccttcttcca gcaagaagca aaagaaaaag 60
 aaagagctga acccagagca aaagtcaaaa gagaagctga aaaggagaca tgcgatgaat 120
 ttccggagact ttgcaaaaat gaaaaacttt tctgcacaag agaaaatgat cctgtgcgtg 180
 gccagatgg caagaccat ggcaacaagt gtgccatgtg taaggcagtc tcccagaaa 240
 aaaatgagga aagaagaga ctcgag 266

<210> 1663

<211> 252

<212> DNA

<213> Homo sapiens

<400> 1663

gaattcgagg ccgcgtcgac gaaaaatttc tcttccacag tctcagctct agacaattgt 60
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 aatctgggtt ttcagataaa ttttctact atttctattt tattatttca ttttttgaga 180
 tggagtcttg ctcttcttgc ccaaggcgga gtgcaanggc gcaatctcag ctcaccacaa 240
 cccctacttg ag 252

<210> 1664
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 1664
 gaattcgagg ccgcgtcgac ctgaaatggc tgtctgtcat gcttggcatt tttatgaaac 60
 actttattgc aggtcagcta ttattgcacg tgctacttca agtcaactggc tcaggctggg 120
 gtcattgtgtg gtttgcgtgca aacggcagcc tgcctttgcag tgtgagctct tcctggaaac 180
 agcagtcctc tgtagctgat gccacatcag ctlttaagtc ttaggaagat attctaggcc 240
 ccttgcttgc tcagccatca gtctataaat cacacaacac taattttcca tcaagtaaca 300
 gcttaaaaca gaacactgtc aaaccacaac tcgag 335

<210> 1665
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 1665
 gaattcgagg ccgcgtcgac ctcagatctc ttaatggaaa gctttgatat atttcatgtg 60
 tgtttttaaa tagcattcaa tgtatgttta aatataaggag tgcctgtga gtggctcccg 120
 gggagcagcc ggaagtgttg tactcggtct totattgtgt gtgggagagt cttctgtgtg 180
 actgtggatc tcatttttat gaggactgca tgcaaggatt gctctcgag 230

<210> 1666
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 1666
 gaattcgagg ccgcgtcgac ccccttttat catttggcac agaaggctgc tgtctccctt 60
 ctgatttggg gggcaggtat tgtttttgag ccagtattta acagagtttt ttaattctata 120
 agattttttt tgaattctatt tcattgtgtt tgtttttcat gttggaacaa tctctctgga 180
 agtgcctctt cttgtggctt ttacaacttc attctcttct ggggtcacct gtgatggggt 240
 ttgatgtggg ggagctcgag 260

<210> 1667
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 1667
 gaattcgagg ccgcgtcgac caccgtcaat gaaagtgtct gaccttctct cctctgcctc 60
 cttactctta gcttgcctgg atgggaccaa tgcctaccag gatcttctct cctccatgtc 120
 accgaactgg tctgtctca gcttccact gacctgcgc ctcagcagcc aggcacatgc 180
 tgcctctccc tctccctctg ag 202

<210> 1668
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 1668
 gaattcgagg ccgcgtcgac atttgatagt tgattttcat atgtctttta ccttttlaaaa 60
 tcttccattt catcattgc tgtcttttgt gtgatatatt aaaattaatc tatttttatt 120
 tctttlaaaaa attttctctc taattctctg gtgggtcaat tctgtgtttt tttttttttt 180
 ttgtaattgaa atgttttgat tctattctca tttcttttgt ggcatattta aagatatata 240
 gtattttctt tgtggttacc atgggggaac tcgag 275

<210> 1669

<211> 286
 <212> DNA
 <213> Homo sapiens

<400> 1669
 gaattcgcgg ccgcgtcgac cccattcacc ttattctcttc ttaaataaat atctaatacat 60
 gttatttccc tgcttcaaaa actttctaat tatttccctg ttgtcttcaa gatcagacca 120
 aacttcccag caacactctt caaaatctga ttccagcctc ctggtacagt gtcactcttc 180
 ctccagcacac tccaggctcc tgacacacga gccagtgttt ctctatttc cattgcctat 240
 aggatctctc cccaccatg acttgctccc ctgcacctgc ctgcag 286

<210> 1670
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 1670
 gaattcgcgg ccgcgtcgac caaaacatct gcacgacagc taagggcagt tcataaacac 60
 agggagatctt gaataataat caaggattaa ttaagtttaa agcgtatcac attttgtacc 120
 agtgtcagaa tctgggggag gaagaacaat taaaaaagaa ttaggggttt ttattggtaa 180
 atccaaatct attcctaaat caaatgatga aaatatttgt cgttggttaat actctaacc 240
 atttaatatg tgctgtctc ttcaaaacac taggaagcac ccaactcgag 290

<210> 1671
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1671
 gaattcgcgg ccgcgtcgac ggtggtagaa gtaacctgaa atagagatac atttaaatat 60
 ctgagtgagc gatttcagca aaggagagag acctgtgtt actatttttag gagtgtctct 120
 gattgtgtga acctgtgaa tacaccactt actaacagag cccggccatt ttgtcagat 180
 tattcagagc tctcaggccc attcagaatg aaattcaaaa tctttacct gacgtcgag 240

<210> 1672
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 1672
 gaattcgcgg ccgcgtcgac cttagctgtt aaaacttcta gattgaaatt tgacagccag 60
 ggttacatat tggggacttt taaagtgtct ttccaaagag atttcattaa ccgtttagat 120
 tagaatatct tcccaattg ttacagtgc atatatgtct caatatttaa caactggagt 180
 attagccaca tgggttatct tcccaattct tgttttgaat tctcttatct tgtgttatt 240
 aaatatttac atattgagcc gggagaactt cga 274

<210> 1673
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 1673
 gaattcgcgg ccgcgtcgac tgggaatatc aattttcatt tctttttcta acacttgagc 60
 ttctcacttg acacaggcaa gaaatagagt ggagctttat tgtagcctct gctttcagaa 120
 acaggacata atattagttc atttccaaag attgggacat ctaattattag ttaattctaa 180
 ggaattttta tttgatgttt ccagtgttct atattcact tctagtgtat agtctcgag 239

<210> 1674
 <211> 297
 <212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (22)..(24)

<400> 1674

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ctcttggtac ccttcccca cgcctttaga taatccatct caattcctca tgctaattga 120
ggagctatgg ctgcaaggca ccttccagga ttccacacct acacaaatct cttttttctc 180
cttttgcctt ctctgcttat gggatattct gagtccccac cccaatcac tgacagctgg 240
gcccccttca tcagcctcac acaccaagta ttaagtcagt cacaatctcc cctcgag 297
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<210> 1675

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1675

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gaattcgcg cgcgctcgac tgaaacctata tcatttattt ttccatttat cactgctgtt 60
gtgttttgtt taattttaaa ctgtttcttc ctacttgagt ataagtctca gaaggcagga 120
gcttgctatc ctattcacct aaggtaaggg taccattatt taaaacagta ccthaagctc 180
aaaatatgaa cagttcagca ataagagcta aataatagtt taacaaaatg ttatcacata 240
tctacacaat agcgtctgag 260
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<210> 1676

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1676

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gaattcgcg cgcgctcgac gcgtagcag aatgggtgtc ggaagggttc acttgctctg 60
cctgctgctg gggcccttgg gctctatgtg catectcttc actatctact ggatgcagta 120
ctggcgctgg ggttttgcct ggaatggcag catctacatg tccaactggc acccagtgtc 180
tatgggttgt ggcattggtg tattctatgg aggtgcttca ctgggtgtac gcttgcctca 240
gtcgtgggtg gggcccaaac tgccctggaa actcctccat gcagcgttgc acctgatggc 300
cttcgtcttc actgttgttg ggcctgggtg tgtctttacg ttccacaacc atggaaggaa 360
tgccaacctc ctcgag 376
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<210> 1677

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1677

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gaattcgcg cgcgctcgac ctttgttgtt agtccaaatc ctctgatttc ggtttgattt 60
gtcctagcag atccctgaac ttcagagagt attgccattt ggattcatgg agttggcgaa 120
ctgctacact gctaccttgt gtatggctct aagctttgat cctaattgact ggttqatgat 180
catgataata tttagagccag tgcctcgag 208
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<210> 1678

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1678

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gaattcgcg cgcgctcgac actggcagtt caaaaactag tacagaaagt tggatttttt 60
ggaatttttg cctgtgcttc aattccaaat cctttatttg atctggctgg aataacgtgt 120
ggacactttc ttgtaccttc ttggaccttc ttgggtgcaa cctaatttgg aaaagcaata 180
ataaaaatgc atatccagaa aatttttgtt ataataaat tcagcaagca catagtggag 240
caaatgggtg cttccatttg tctgtctctc ggcataggta catctcttga gaagccattt 300
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caggagttacc tggaggetca acggcagaag cttcaccaca aaagcgaaat gggcacactc 360
tag 363

<210> 1679

<211> 260

<212> DNA

<213> Homo sapiens

<400> 1679

gaattcgagg ccgcgtcgac cgtcgattga attctagacc agcctgggga aacatagtga 60
gacctatct ctactgaaaa aaaaagagag agagaaagct tcgagaggag atgagaccat 120
tctttatttc ttattttctt ctttctgggt actgccagct cgtcagatt cctccacctt 180
ccttgetggg gtgtgtccct atcagcccca cctttctat tctagaagt gaaagctggc 240
atcttcccca caacctcgag 260

<210> 1680

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1680

gaattcgagg ccgcgtcgac gctctatcta tgaatctgat aaaggccttc cttcaactgg 60
agacaatttg ggatgttgca aaacaagggt tgggaagccc tctatggat cggttttgtg 120
tccaagtctg tccctgccaa aagccatcaa aagtctccat caccctggg ctcagctctg 180
ctacccccag acttggcagc tgggatctct ccttctgggt tcatagttct catccccacc 240
cctcagcgat ggagtttagag ttccaggccc acgtggtgaa cgagattgtg agtgtaaga 300
gggaatacgt agtttatgat ctgaagaccc aagtcaccac ccagcagctg gtgcccagg 360
gtgatggaga actcgag 377

<210> 1681

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1681

gaattcgagg ccgcgtcgac cacttccaga atgtccatca ggttgatcat gatgtttatg 60
tgtgtcttct tgtacttccc gacacgtagt gagacagtga gccagccagg gcccccgtg 120
cacatgaagg tcttgetacc ctgtctcttc ctttcccca cctgtctctg gatgtccgc 180
acgcgtctgt cgtgcaggcg cggagcgtct ctgagcttga acaccacca gctcgag 237

<210> 1682

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1682

gaattcgagg ccgcgtcgac ggacgcttcc acctgatgcc ataggctctg gaggaattgg 60
gacctaggto cttgtaaccc aggtctctgg gtaccggggg gaaggcttca tcacggaaga 120
gggtccact ctgcaggcaa acccccagtc ctttgtggat ggagctaccc gcacagacat 180
ctgcacggga gcaatggggg actgtctggc cttggcgggc atggctccc tcactctcaa 240
cgacaccttc ctgcacggag ggtatgcttc ccgag 275

<210> 1683

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1683

gaattcgagg ccgcgtcgac caggcatctt tgggatgtgg aatctgtatg tctttgctct 60
gatgtctctg tatccaccat cccataaaaa ctatggagaa gaccagttca atggcctct 120

gggtgtccat agtggggaag aactccagct caccaccact atcaccatg tggacggacc 180
 cactgagatc tacaagcgac tcgag 205

<210> 1684
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 1684
 gaattcgagg ccgcgtcgac ctgtgacagg atcaatgttt atggcatggt gccccagac 60
 ttctgcaggg atcccaatca ccttcagta ccttatcatt attatgaacc ttttggacct 120
 gatgaatgta caatgtacct ctcccatgag cgaggacgca agggcagtea tcaccgcttt 180
 atcacagaga aacgagtctt taagaactgg gcacggacat tcaatattca cttttttcaa 240
 ccagactgga aaccagaatc acctgcaact cgag 274

<210> 1685
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 1685
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 cttttctttt tcccggtctt ttgcgtctct tctcctctcc ctctgtctgt ctctgtccct 120
 ctccccacga ggactctct tagcgggtgt gaattcgagg acctgtctc tgttcttgga 180
 atcttggtcg ggatccctgc acctcggtc catteactcg ag 222

<210> 1686
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 1686
 gaattcgagg ccgcgtcgac tagaccagcc tctagcttac ctgccataaa attaaaatat 60
 atagtgtgtc tattcttgat aaaacctcta gcaacctctt ccattttcaa tcagaatacc 120
 accaaataat ttaaaagcat ttttaataga cttttaaaaa tatgctaata aaatctagtt 180
 atctctgta cctcgag 197

<210> 1687
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 1687
 gaattcgagg ccgcgtcgaa tgggtttggg aaacggggct cgcagcatga agtcggcgcc 60
 cctcgtgtgt gcgcacctgg tggcctgcat catcgtcttg ggcttcaact actggattgc 120
 gagctccggg agcgtggacc tccagacacg gattcatgag ctggaaggca gggtcgcag 180
 ggcggctgca gagagaggcg ccgtggagct gaagaagaa gagttccagg gagagctgga 240
 gaagcagcgg gagcagcttg acaaaatcca gtccagccac aacttccagc tggagagcgt 300
 caacaagctg taccaggacg atctcgag 328

<210> 1688
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1688
 gaattcgagg ccgcgtcgac gtggcagagg tgcctgtgtt ttgttcggta caggagagtc 60
 gctatggcgg cgggtgattc ggatctcgaa tcgctgcgcg gtgggggggt ccgctgtctc 120
 ctctgcacg ttactacagc caaccgacc agccttgatg cccacttggg aggcagaaag 180
 caccgggacc tggtagaact acgagctgag agaaaggccc agggacttcg aaggtgtgtt 240

gtcagtggct tteccagggg tgtggattct gctcagctct ctgagtactt cctagcattt 300
 ggacctgtgg ccagtgttgt catggacaag gacaagggag tgtttgccat tgtggagatg 360
 ggggacgtgg gtgctcgag 379

<210> 1689
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 1689
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 cccccgcctc tcccacagca cacctggcaa gagcaggggg caaacctaca tctgccaggc 120
 ctgtaccccc acccagggcc cttctagtag cccctctcca ttccaacag atgggggttc 180
 ttggacacca tcccccaagc acagtgggaa gacaactcca gacataatta aagactggcc 240
 caggaggaag agggcggtgg gctgtggcgc cggctcctct tccgggaggg gcgaggtcgg 300
 tgcagacctt cctgggagcc tgtcactgct tgagacagag ggcaaggacc acggccttga 360
 actcagcctc cacaggacgc ccatcttgga ggattttgag ctcgag 406

<210> 1690
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 1690
 gaattcgagg ccgcgtcgac ctttaaggggtg tataacaaga ctttggagac agaccagaat 60
 ttaaaactta gttttaccac ttttaaccag ctatgttcaa gtttaattat ctttttttaa 120
 atattgaaaa acctatgaga ttttcaaca tgcacaaaac agggaaacag ataattaac 180
 cccatatgtt cattacacat attcaagagt caactctcga g 221

<210> 1691
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 1691
 gaattcgagg ccgcgtcgac gtttttagaaa acctgtttat ttgcctgtgt gcggtagggg 60
 ctcttcaagc atccacctga gttccttatt gctgattctt ggaagtttgc aaatactctt 120
 ttccagaacag tgttcataac tcaatttgcac agcattccat ggtacacagg aaattgtatc 180
 tagtttcgtt ttttgttttg ggggggtttt ttgggtgttt gttttagaca gggctctact 240
 ctgttgccca ggtgttgtg cagtgtcatg atcttggttc acagaaatct ctgccccctg 300
 aactcaaagg atcactcgag 320

<210> 1692
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 1692
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 taattcatgtt tctatcttca gtcattctta tctatctatt ctctctgggc aaattcattc 120
 atttattacc aaactcttct gtggacttat agactctctt acccggaact gtaattggaa 180
 tttccatctg gatgtgtccc atgcatttca aacccaacaa ctggaq 226

<210> 1693
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 1693
 gaattcgagg ccgcgtcgac actcacaact ataatggaca gtctgtgggc agaaagaaat 60

tagaacttttg tgggtttttt ccaagtatt caacttcatt tttattauag aaaaaatttt 120
 tttctctctt tataatctat tagcttacct gatattctat caaattacct atgtcaataa 180
 caagcacaat ctcgag 196

<210> 1694
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 1694
 gaattcgagg cgcgctcgac gagagaaatg ccacatgct tactgctctt ttggattctt 60
 catgcagtgg ctcccatctt gctctgggaa cagtgcctct gtgctgggta tatgtatgca 120
 ccacatgtgc acacacgggt gtcggtgcaa ctaccagca ggtgtgcagt aggcaagctt 180
 gaaggtggcc catgctctct tgtgtgcaca caacacctcg ag 222

<210> 1695
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 1695
 gaattcgagg cgcgctcgac aaagaccttc gggattttatt cagtttgctt ctgttttcag 60
 agttgtctgc tgcgtctgtg aaagtggac aaaacagcag tgtctgcctc attgtatgat 120
 aaaaatttat gtttgccttt ttgtgtgtct gtaaagggtt atttgccatt ctgtgtcagg 180
 ttttgggtgt tagttgcatt ctacttactg cgttttgcca agcacaactc gag 233

<210> 1696
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 1696
 gaattcggcc aaagaggcct aaaaatatga gtccctaatt gtcaaaaata ataacaaaaa 60
 tacaattttt gagcaagtag tagagagatt ttaaagtata acgtgctaaa ccttcagttt 120
 gtaacctggc ctgtgtgtct ctgtgtctag ctatgggaag taccagggga ctaagtatta 180
 ttttatttat ttgtttgttt atttctatgg gtttcggggg ggcactcgag 230

<210> 1697
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 1697
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 ggtcactgtg cctaaggagg tttaacctag gaaccaagg ctgtcccttg aggtgcctgg 120
 acagggttaag ggggtgcttc caqctccta acccaagcc agctgttcca ggctccaggg 180
 gaaaaagggt tggccaggct gctcctcgag 210

<210> 1698
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 1698
 gaattcggcc aaagaggcct aattctctta tttttgttaa actttttttt cttttgttaa 60
 aataaataaa acattcaatg tttttctctt ttctctctct attactctct tcttttgcca 120
 ttttcaattt gaaatgcttt cttttgggtg ttggttttat tctcccccaa tccctcgag 179

<210> 1699
 <211> 224
 <212> DNA

<213> Homo sapiens

<400> 1699

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gaattcggcc aaagaggcct aaaatcatct aacacaaaac ctatactata ctacagtgc 60
taatatttca cagtaattta ttgaacactg tactgacaac gaaaaacaga gtggttgttt 120
gcgtacttga agtacagttt ctgctgaata cutgttgctt ttgcattctg gcaaagtcaa 180
aaactctaag tcaaacaatc ataatcaaa ccatgacact cgag 224
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<210> 1700

<211> 202

<212> DNA

<213> Homo sapiens

<400> 1700

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gaattcggcc aaagaggcct aggacagggt tttcatggaa acagtgaagt aaatgcaata 60
ctgtctccgc gatcagaaag tggaggcctt ggtgtgagca tggtagaata tgtattaagt 120
tcttctcctg ctgataaatt ggattctcga tttaggaagg gaaattttgg cactagagat 180
gctgaaactg atgaacctcg ag 202
```

<210> 1701

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1701

```
gaattcggcc aaagaggcct acacagtgat tccgatgtgg agccagcctt ggaagcctct 60
ccgtggctta aggacccccg ctgctttctg gcccgaattg ctcgag 106
```

<210> 1702

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1702

```
gaattcggcc aaagaggcct agtgtaaatg caacaaagaa aaaggcccta agcttctcta 60
cttattagat atatttttgg caattgattt aacttttggc aaccttcagt ttctaatct 120
atgaaatgat agtgataagt tctgcataata gggttgttac gaaaattaaa tgagataatg 180
tgtaaatcaa ttagcacagt gtctcacacc tagaatgcac tcaagaaata atagccacta 240
ttagattagt catagttata gaatatcacc aaggggcctac atttgtataa aacactgcct 300
ttacacacaa tatccacaag tctcgag 327
```

<210> 1703

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1703

```
gaattcggcc aaagaggcct actctactcc ctcatccgcc cagtactatg caaccattaa 60
ctgtctctta tgggtggtaga ttgatactgc cuccatagc catttgcatc attgtatatt 120
crattcagat ctgtttagtc aatttagata agaccaagga actcgag 167
```

<210> 1704

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1704

```
gaattcggcc aaagaggcct actttgacaa aattcaacaa ctcttccatgc taaaaactct 60
ccatctggta tctttctctt tcaagctaac ggtatcctcc gacagttctt gtagtgtagg 120
tttgaggcca acaaattcta ttgggttttg tctctctgaa aatatcttca tctctctctt 180
```

agtatacctt tttctgggta tggattcctg ggcttgcagg gtattccac ttgtccgagt 240
 ttccaatata ttcagttttg aagatgttcc attggtctcc attattttct atgaaaagtc 300
 agctgtcaca ctcgag 316

<210> 1705
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1705
 gaattcggcc aaagaggcct attcccaagt aattagattc aaggtaggct ttctcagccc 60
 gaataatgca gaaatcacat tatggccttc tcagggtatc atgtttgaag gtgtgcctag 120
 tgctccattta ttcctctttg gtgatgttaa ttttgattac cctgtcaaga tgttgtgtgg 180
 tttttccctt ctataattac tgctctttcc cctctccctt gagacgaata agcaatctgg 240
 ggtgcatttt aagaccatac aaatacaata atactatggc caccctcttc ctccaacca 300
 gtaagctcga g 311

<210> 1706
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 1706
 gaattcggcc aagaggccta aaaggctcta tttctccccc accagtcact taaaaatcca 60
 aacaacaata caacctgact acaggagtac tttattataa atgtacagtt cttacagtag 120
 aaagaacaat atgaagatgt gggctctagt cactgttgcg ttactaagtt tctatctgtt 180
 acctagaata agtcctctt taaggctctc gatttttccc actacgaaac tcgag 235

<210> 1707
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1707
 gaattcggcc aaagaggcct agtttggttt tgccaaagga ttatcaactg agctattatt 60
 agtacttacc taagtgaatt tggtaggaat caggagaaga gagaaatcag aaatgattgt 120
 tgtgtttctg ttatggctgg ctctctgtca ccccatgaa aatacggcag tctcagagat 180
 aagtaatcag gtaatatcag agataagtaa tccatcgaaa gcccaactcg ag 232

<210> 1708
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 1708
 gaattcggcc aaagaggcct aaaagtctgt gttctcttgt caattcctca aattagttct 60
 ggtggcattt ggttccccc cagaaataaa tcaactgttaa atgattcttt ataaagcagt 120
 ccacacattt atcataccac agtganctga acccatttag ggaattataa gctacagttg 180
 gtcatgttgc aggcctagca actctggcct tgtcacattg catctctctc cactccccgt 240
 gctaccacta atccttcagg actgagattc aaggtcttgc tagtaagagg cttggaaata 300
 atcatataaa acataatagt gtggcatggc aagctcgag 339

<210> 1709
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 1709
 gaattcggcc aaagaggcct acgagattgt tcttttcaac gtaactgttt tgggacctgg 60
 ccaggagaat gtttctctt cagacagtga ttagatttca ctttgtcttt tttctctctt 120

atcttttttga gacctcgag gctttgagct tctcaccatc tccctcagac agaccagtgc 180
tccctcgag 188

<210> 1710
<211> 192
<212> DNA
<213> Homo sapiens

<400> 1710
gaattcggcc aaagaggcct actcgagttt tcttggtttc tttctctctc tgtatgtac 60
tttcaatttt tcttctcttc tttattttga gacagaatct ggctctgtca ctcaggctgg 120
agtgcctgg catgatctca aaaacaaaag aaataaaaaa taaaaataaa aggttctctgt 180
gagcaactcg ag 192

<210> 1711
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1711
gaattcggcc aaagaggcct aatcatttgt tttgaggtta gtttgattag tcattgttgg 60
gtgggtgatta gtgggttgtt gatgagatat ttgggtctgt acctgttgge ttcattcttc 120
ttattacctt gttgccagge caccgggttc ggcccagcct tgattcttcg gyaatcactt 180
ctccctcgcc ggccttgcta ctgcctccac ggatcactca tccctcgag 228

<210> 1712
<211> 212
<212> DNA
<213> Homo sapiens

<400> 1712
gaattcggcc aaagagacct aaccatatgt tcttccactgt aattttcctt gcatacactt 60
atcaattagc tgtaaacatg cttattttta aatgccatc aaacgctctt aatagaacct 120
tgttggaag tgaagaatcc tttacatac acagtacaga tgtatcaaaa ccatgtaactg 180
ttttgtttac acacatgaca gaacctctcg ag 212

<210> 1713
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1713
gaattcggcc aaagaggcct aggtctgtgc agtaccagc aagattccag tctcttcttc 60
acacatactg acttagaatg gtcattgtat tttcgcaatt gaatctctta cttatttttt 120
tcttcagata ttcagtgag tgttctcttc cgttttcttc ttaccttctt ttgggcacaa 180
aagctgagac gctatctgt tgcctcaaat caccagtcac gtttctcgag 230

<210> 1714
<211> 272
<212> DNA
<213> Homo sapiens

<400> 1714
gaattcggcc aaagaggcct acgattaaat tagacctgac tccagttatt ccgtaacctt 60
aaattggtag ctttccattg cttaaaaatt ttggcatat gcagataatg ttctcctcag 120
tagtaagaat ctcagggtta tgcattcttc ccaatggagg tatgacatat aatcttctct 180
gcctttactt atcaattctc caaggagctg tttctctctg atcaggcca tctactgccc 240
aggttggtta tgaactagaa gcttgccctg ag 272

<210> 1715

<211> 128

<212> DNA

<213> Homo sapiens

<400> 1715

```

gaattcggcc aaagaggcct agttgggggt gtttttacta caaaataagt tacttagttt 60
tataaagaca aaccgattgt agccaaatga caccatattt aataaaattt agtctgaagt 120
gtctcgag                                     128

```

<210> 1716

<211> 268

<212> DNA

<213> Homo sapiens

<400> 1716

```

gaattcggcc aaagaggcct actaacattt tgtgatgcct aattttgcaa aatcactttt 60
cattcaccca ataaattttt ttcttctttt ttccacagag ttttgctctg tctcccaggc 120
aggagtgcag tggcgggata ttggctctgt gcaacctctg cctcccaggt tcaatagagt 180
ctcttgcctc agcttcccaa gtatctggga ttacaggctc atgccaccat gcccggetaa 240
ttttcacatt tttagaagag gtctcgag                                     268

```

<210> 1717

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1717

```

gaattcggcc aaagaggcct actgtcatat atgtgtttgt gtttcttata ttatttcttt 60
ttgacttcag ttttgcatcc caaatatgta tggggtggca ttttaacagt caatgagtca 120
aacagtcaaa ggaggacagg aggggagcca gctggtagga gggagcagca accgtgtgtg 180
gaccaagcgc catttttgtt ttatagacgt gtcttcttaa acctcgag                                     228

```

<210> 1718

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1718

```

gaattcggcc aaagaggcct agacatctta acccagctag aggccttgtg aaatatgaac 60
ggctgtatca atgcctgcct tcagtacctt attattatta ttattatttt gacacagagt 120
ctcgatttgt cacctgggct gcagtggcgt ggcgcggctt ttggtcactg cggcctctgc 180
ctcccaggtt cgggcgattc tcttgggtcg gcttctcag tagctgggat tgcaggtgct 240
caccacaaca ccaggcaact cgag                                     264

```

<210> 1719

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1719

```

gaattcggcc aaagaggcct aaaaaattgc ctgaattgta ctgtatgtag ctgcattata 60
acagattctt accgtctcca caaaggctcag agattgtaaa tggtaataac tgaatttttt 120
tttattccct tgaactcaaga cagctaaact cattttcaga actgttttaa acctttgtgt 180
gctgggttat aaaataatgc gtgtaattcc cgag                                     214

```

<210> 1720

<211> 204

<212> DNA

<213> Homo sapiens

<400> 1720

```

gaattcggcc aaagaggcct acccagctac atttctgana ctttcagttgc taagaaaatc 60
tatattctgt agctttgaag ttatttaaca gtttaagtaact atttctctggg ttattctgat 120
tttgccttaa atgacaaata ttttattcat cttttctctt caaacattat ttaacaaatg 180
tacgttttaa tgtttctctt cgag 204

```

<210> 1721

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1721

```

gaattcggcc aaagaggcct aggtctgtgt atgaagattt tgtttgtttg tttttgtttt 60
tttgtttttt ttgagatgga gtcttctctt gtcacccagg ctggagtgcg gtggcgtgat 120
ctcagctcgc tgcaagctcc gtctctcagg ttcacgccat tctctctgct cagcctcccg 180
agtagctggg actacagggt acaggcgccc gccactatac ccggctcact cgag 234

```

<210> 1722

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1722

```

gaattcggcc aaagaggcct atgattgcaa aggaaataac taagccaatc taaatttcac 60
tctagaatta gttaaagttt tgattaaaag gaggagttaa ttttgaatta aattagttaa 120
gagagtqaga aatctgatag gagttaacat caacacatac accacaggct ttgggtgcaa 180
gtaggccatg ctacaaatc tactgggatg tctctgag 217

```

<210> 1723

<211> 248

<212> DNA

<213> Homo sapiens

<400> 1723

```

gaattcggcc aaagaggcct aagttttcaa ccattattgc tttaaatatt tttctctctc 60
ctttatcttt ctccactttt tctggtaact tttttatatg tatgttggtg cactcaatta 120
aaggatatct acattctctt gaggtctcgt ccatttttgt ttttattgtt gttctatctt 180
ctgtctgttc ttgggttttt gtaatcgtaa ttgattcaat caatattctt tctgccagtc 240
atctctgag 248

```

<210> 1724

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1724

```

gaattcggcc aaagaggcct aagcatattg tcagaaggaa ggatgggtgca aattagcttt 60
ttatctctta gcattctttt actacctata tggcagatc tatgttttgg tgagctctta 120
gaacaacaca cagaagaatt ggtccagtta agtgcattga aaaagccacc aaatgaaggg 180
attctatcca gcaagatctt gtccaagagt agcttgaggt gtctctgag 228

```

<210> 1725

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1725

```

gaattcggcc aaagaggcct agttgagttt gtcattaaaa tcataaacca gctgcggtta 60
cagacaagcc ttgggttggg gagtttttaag cctcggttaa tgcataaaaa ctacccatcc 120
agttaggata gaattgtgct cttctctggc aaaaaaaggg aaaaacatct aagaaatat 180

```


atatgtatgt atgtgtgtat acagtggaa tcaaggacc aaagcaaaat ctgaacagga 240
tccctcgag 249

<210> 1726

<211> 436

<212> DNA

<213> Homo sapiens

<400> 1726

agaattcggc caaagagcct actggcatgt ctgagcataa gcttgacagt ctacttttcc 60
agctttcact tttccctttaa tcatcctagc caagagctca aattctggag caaaattctg 120
gcaaggteca caccaaggag catagaaatc aatcacccaa tgatttttcc cttgtagaac 180
tttttccactg aaagtctgag gtgttagatc tgtggatact tgaggtaaaa atcctagacc 240
ccagattctc aggggaataag catccctatt ccaaccattg taactgtgat actgataagc 300
tttatttgat tttgggggaa aaaatcttat ctcagggtat ctttgaacgt tttcctgggc 360
acaaaaagaa tgatactgtt ggcaatctat actgcccacg ttgatcagtc cagttaatgt 420
ccggggccgtt ctcgag 436

<210> 1727

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1727

gaattcggcc aaagaggcct actgatacaa tcaagaagca gaacattccc atcccacaaa 60
gatctcttat cttgcccttt tactgcgcga caaatccctt cttcctcctg ccccatcctt 120
aacctctgac aaccactcat ctgctgtcga tttctgtaat tcagtcattt caagaatgtt 180
acataaatgg agttgtacag tatgtaacct tttgagactg gctctttttt cactgagcat 240
aattctctgg agatttatct acattatttt atatatatcc atggattgtt cctgtttatt 300
cctgagtaat attccatatt atggatgtat cagtttggtt aactgtttag ctgttgaagg 360
actcgag 367

<210> 1728

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1728

gaattcgccg ccgcgtcgac cgattgaatt ctgacctgc ctcgagcgag acttgggtta 60
aaaaaaaaaa aaaggtagcc ctttactatt agaccgattt cttccgcaat acagagcagt 120
agctgagaat cattgttgtc tatgtggcat tttctgtctc ttgcttctgc catgccatgc 180
cttttctcat ccttgagacc agatcaccat ccaaaaacac tcgag 225

<210> 1729

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1729

gaattcgccg ccgcgtcgac cccagggaca ctgagagcac tttagtcata tttctgtctc 60
tttaattatt ttaacactcc agaggaggac tgggtttctc ctgtgttttt ttaattatag 120
gcaagtggaa cctctaatcg accaccctgt ttttcagcct aactcagget tgggttaaaa 180
ttatcagttc ccactttctt tgcctgcatc tcaaatgcaa cacaggagaa cagctttccc 240
ttgcaaatcc acaatgctgt taactatttg tctcttatca tacattctat taaagtcttc 300
tattattgga tttctttcta cttctcccta cagttctgac catteactcg ag 352

<210> 1730

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1730

gaatttcggg ccgcttcgac ctcaaacctt ggtgtacata ccaatgatca tcttaaaata 60
 cagcttcttg ggctcactg cagcagtttc tctctgtctt tatccagtac tgcacacctat 120
 tgggcaagct ctccagaagc tcgag 145

<210> 1731

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (25)

<220>

<221> unsure

<222> (306)

<400> 1731

qaatttcggg ccgcttcac gttgnttggc caccaggggtg qaatagcaga gaacggctgc 60
 ttgtgtttga attccagctc tgcacttcg atagatttct gaactgagac atgtgactct 120
 ctaggcctat ttctgcctgg gtccgagagt gggcgggact gctttactga gttatagtga 180
 atgtagtctt aacctaaagg cctcacatga ctaactcttc atccatcaag aatgagctca 240
 gctctcactt cccactctct caccctcttg taaagtaacc ttctctcaag gttatgcttc 300
 aacagngata gctaacattt attaaattgt ggcctctcga g 341

<210> 1732

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1732

gaatttcggg ccgcttcgac tggcttttga tctttttgtg tagtttaqaa cagatacaca 60
 ttagtaaaag ataccaataa tcattagagc tcaaggagc tattaggtgc agcctctgga 120
 gccatactca cgtctcagtg cataatggga aaattaggag cattaataag aaatttcagt 180
 agtgttttga aggaaaataa gctacttaet gagatctgtt tctctctattg catgtttgct 240
 tttgagggac agcttctgtc aaaagtgaat tcctaccag aactgggctt gttaggaaga 300
 ataggggtctt atttactttt tatgtcaatt aacttcaaca aaaaggccac gctggctgct 360
 gtcctgcat ctgggtatgc attaaacatt aatgatganc agcatctcga g 411

<210> 1733

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1733

qaatttcggg ccgcttcgac ggttcgggtg ctctctctct attgactaat attgactaat 60
 aattcctgac cagcaacctt atccaaagag gaatttttgt tggctctgga tcaatttattt 120
 ttatggaact caggatgctt tttttctctag gtaactaaca accatcccat taatattctt 180
 tctctagcat tactcttgat agggagctct gtagttttgt agaaaagact gaagtaggct 240
 tggctgtgtg gctcagctt gtaatcccag cacttttggg ggcgaagggt ggcagatccc 300
 ttgagatcag tctctcag 319

<210> 1734

<211> 192

<212> DNA

<213> Homo sapiens

<400> 1734

gaatttcggg ccgcttcgac gccagatag agttctgcaa gaatttcctt gttttgcttt 60

atattttaag cccctttctc caaaaaattc attccacttc catctcttga atcggagtgg 120
 gaatcagtea cagaattctc tgagggctgg cgggaactctg cttttttgtt ggttgcctcc 180
 ctggagctcg ag 192

<210> 1735

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1735

gaattcggcg ccgcgtcgac cctaaacgtt cgattgaatt ctagacctgc cctcagtgtc 60
 tcccagtttc cttgctttct tttatttccc tcttgattgc tgcctcccca gttcttacca 120
 gctctctgtc ccagtccttt cctgtcaaaag atggcagact cctccaatgc caccgcctcc 180
 ctaccatctt gcccggtgac ttccttctc tctccctccc tgcctggtct tttggccatc 240
 cccctcgag 249

<210> 1736

<211> 180

<212> DNA

<213> Homo sapiens

<400> 1736

gaattcggcg ccgcgtcgac gagcatttgc aaagtcatga aatattcttt gttttgtttg 60
 ggggcagttg gttgggtttt tgatgttttg tgtgtggggg cagggacagg gtctcactct 120
 gccacccagg atggaacgca tagctcattg cagcttcaac ctttaacccc cggactcgag 180

<210> 1737

<211> 282

<212> DNA

<213> Homo sapiens

<400> 1737

gaattcggcg ccgcgtcgac ttgagtgttt actaactctg tgttttgctt acctggcttt 60
 tcttctctga agttgcttaa tttttttctc tccaagagga attattttaa aagaattttg 120
 tctgtgacac aaccaagatt tattctgttt acctaaggaa cttattttct tttttgcaat 180
 ttcatttatt ctgagtcact ttatttgtta taagtgaaga attttaatac ttagaaataa 240
 gttgtaaaga aaataatgag aatcttacca tgcgtactcg ag 282

<210> 1738

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1738

gaattcggcg ccgcgtcgac gagaaaagtt ccagaaaacc tagattagag atgttgtgtt 60
 tatttttatt tttctttatc tcaactgttc cttcttccct ctcttctttt ctccctccc 120
 actcccttct taccctctca ctttgttttt ctacctcagc ccttaacttc tcttttctt 180
 taattcttcc attctttctt cctctctcaa tagataagtt taataatagt ggttgttttg 240
 ttgtagatgt ttcaggggga aaaaatttaa aaggttcgac agttctcgag 290

<210> 1739

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1739

ggaattcggc gcgcgtcgca cagatttttt cctaaactga ggcaagaatt gagtctactt 60
 ttttttggtt tttcttgagt tctgtttacc tcaaatctag agacactctg cctctcagt 120
 gaaatttctt aaaggctagg taatcagtta gtcatttaag ttcagaggcc aacagctata 180
 atcaactgta gaagacctat ccaacatata ttcaggagc tgatccaaag caaatgcctc 240

cctccttggc aacagttgtt acagctgtgt tccctttcac ttccttctct cctttactta 300
 aaccacattt attatccttc agttctggag gtcagaagtc cgacacaggt ctccgag 356

<210> 1740

<211> 298

<212> DNA

<213> Homo sapiens

<400> 1740

gaattcgcgg ccgcgtcgac tatctctggg tatggcactg tccatgcca tctcttcacc 60
 actatttggc ctcttaagtg ataaaaggcc acctctaagg aaatggcttc tgggtgttgg 120
 caacttaate acagccgggt gctacatgct cttagggcct gtcccaatct tgcataattaa 180
 aagtcagctc tggctgctgg tgcctgatatt agttgtaagt ggctctctct ctggaatgag 240
 tataattcca actttcccggt aaattctcag ttgtgcacat gaaaatgggt cactcgag 298

<210> 1741

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1741

gaattcgcgg ccgcgtcgac ccgtcgattg aattctagac ctgcctcgag ttttgccttt 60
 ggtctctgtc cacttgggtg actattgtct gctttttcaa gatgcagctg ttgtgtcacc 120
 tctcttggat agtcttcca tactatctac acaagcaaat tgttgcctgt ttccttgaaa 180
 acccacctca acctctctgt acacaccacg caagaacata ccgcacttac ttgttaccag 240
 gtctatctcc cctccccctc gag 263

<210> 1742

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1742

gaattcgcgg ccgcgtcgac ctaccacata agaagatatt tatataacag tcttcagaat 60
 ccaactgttt tgcagttgaa atttctctcc aagattccaa ttagtatata attttaattt 120
 gctaagaagc atctcacata ataaataagc ctatcaagaa ggcaatttat attaatcttag 180
 aataaaactag actctgtgtc ctctgaatta aacaccaatg agcacccaaa agtttagact 240
 tctttgcttt tattaattat atctgtttat tctttatgat gcagctctctg agcctgttcc 300
 atttgaaact gaagctccca cactcgag 328

<210> 1743

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1743

gaattcgcgg ccgcgtcgac gtctgttgaa aaagagaaga ggtttgcaaa tctcttcatt 60
 agagtaactat gcaagtgttg cactactatt tccaaatttc cagggccata atgagtatct 120
 tctttccact agctacttta acacaagccc tcgag 155

<210> 1744

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1744

gaattcgcgg ccgcgtcgac gaagaatgca agtattctgg agtttgagaa atgttttttc 60
 tgccttcttc atgaaatata cctttgaaca ccttccattt tgtggggagc ttaaatacta 120
 taggcagaaa aatgaagata cgagccctgg catgcgagga ccgcgtggca gtgtgggacg 180
 cgtgcttgag cctcactttc tctcttggga gattggcgtg gggggggcgg tggagagcag 240

tagtgggaca gaaggagctg agtgetggga gctcgag

277

<210> 1745

<211> 392

<212> DNA

<213> Homo sapiens

<400> 1745

```

gaattcgagg ccgcgtcgac atgctttgtc ccaagccctt gaatccctca aatctgaccc 60
tgtccctctc tgtggccacc acctctctct atttcattgg agtgtctctt cctgagcctt 120
tcagcccagt ccaggccagc tctttaatag ctgccccttc ccgtgaactc cctcttctctg 180
cctctctctc cctccagtgg cagaaacccc acctctgttg gccagtgctt tttgaagaga 240
gtcctgagat gcccctcgga gtttgggtag agcccttgca ggcattccaga gaacaactgg 300
aatcaaggcc ctttgtgctt tctgggtccc aagcgccttt ggggcttgag gttctcttca 360
ttagtggttg atctgaagtg tttctctctg ag 392

```

<210> 1746

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1746

```

gaattcgagg ccgcgtcgac ctaaatgaga agactttcaa tagtaatgaa gaatccatgg 60
cactctcttc acctccaaac acatggcagt ctttcacata caggccccaa agccactgtt 120
agtgtctcag tagctctgtt ggacattgga aagcccgagg agggcgtgga agaaatcagc 180
tggcccccgg caggttctct ggggttttgt gcccaaggct cctggagccc taaaaacttt 240
caaaaagttaa ctccccacgt ccccatctct cttgggtttc tggacttttc tgaggcacccg 300
gcagaggggt ctcattgtct ccttgagtgt aggggcagcc ctttaacctg gctccttgag 360
tccctgcttt ttctgcttct gttgccttct tctctgtctt cctctctctc aatctctccc 420
cccaaacctg ag 432

```

<210> 1747

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1747

```

gaattcgagg ccgcgtcgac tgggtttgtg gggtaattact taagaaarca ttgcccagac 60
cgataccctg gagagtttcc ccagtgtttt attttagtea tttcatagtt tgaggcttta 120
gattttttgtc tttatcaat attttgactt gagttttgtt tatggtgaga gataggagtc 180
tagtttcaat cttctgcata tatatatcca gtttccaagc accattttatt gaagaaactg 240
ctttttctgc catgtatgtt tttggcacct ttgtcaaaaa tgagttcact gtaggcgtgt 300
ggattttttt ctgggtttctc ggttctatct ttctgtgtgc ctgtttttat gccagtacca 360
cgctcgag 368

```

<210> 1748

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1748

```

gaattcgagg ccgcgtcgac gcatatccaa cctttgggtt ttttaattatg agactaaaac 60
ctttcttgac accacacatg tgtgttatgg cactactgat ctgctcaaga cagctatttg 120
gatggctctt ttgcaaagta catcctgttg ctatttgtgt tgcctatatta gcagcaatgt 180
caatacaagg ttcagcaaat ctgcaaaccc agtqqaatat tgtaggggag ttcagcaatt 240
tgcccaaga aqaacttata gaatggatca aatatagtao taaaccagat gcagtcctcg 300
ag 302

```

<210> 1749

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1749

```

gaattcgagg ccgcgtcgac aggcctcctc catattccat cgcagtttc tgttacaagg 60
cagactgaat caagccaaga tcaacacaca ctggtacacg tggctcccaa ccaattttat 120
atgtatatat atattctact tcaaacactc gag                                     153

```

<210> 1750

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1750

```

gaattcgagg ccgcgtcgac ccccccccc cttttttttt tttttttttt cctccttaat 60
tttttgttca ttggattttt tccctcggtt agttaagtgc tctgtgtgtt gcttgtctat 120
gcttcctaac aatttttagc ttcgactgat ttttctttt tttttttctt tttttactgg 180
tatttgtttt ttatactcat tcaactaaac ggggaattct caagctgtac tttccccatt 240
accaaagagg cctgtctctg aaaaaaccaa cgggtgccac gcatgctctg ag          292

```

<210> 1751

<211> 276

<212> DNA

<213> Homo sapiens

<400> 1751

```

gaattcgagg ccgcgtcgac ggcacagtt ccttctgtac ctgtgtggag gaaaagtact 60
gagtgaaggg cagaaaaaga gaaaacagaa atgctctgcc cttggagaac tgetaaccta 120
gggtactgtt tgattttgac tatcttctta gtggccgaag cggagggtgc tgetcaacca 180
aacaactcat taatgtgtca aactagcaag gagaatcatg ctttagcttc aagcagctta 240
tgtatggatg aaaaacagat tacacagaaa ctctag          276

```

<210> 1752

<211> 225

<212> DNA

<213> Homo sapiens

<400> 1752

```

gaattcgagg ccgcgtcgac tggctgggtg gtagatttaa atcactgttt ccgcattgta 60
ttcatgacgc ccatgaaacc cgcacaacat ttagcttctt ccgagcagc aagtttcttc 120
tcggctctct tcttgtctgt cttctccacc ccagaggctg ccatcctccc tcagctcggg 180
tcacgcccgg ggctcgccgg gccgggcgag aggtcgcccc tcgag          225

```

<210> 1753

<211> 362

<212> DNA

<213> Homo sapiens

<400> 1753

```

gaattcgagg ccgcgtcgac agaccccaca acatgcgcgc tgaagacaga atgttccata 60
tcagagctgt gatcttgaga ggcctctctt tggctctctt gctgagcttc ccaggagctg 120
gggccatcaa ggcggaccat gtgtcaactt atgcgcggtt tgtacagacg catagaccaa 180
caggggaggt tatgtttgaa ttgatgaag atgagatgtt ctatgtggat cgggacaaga 240
aggagaccgt ctggcatctg gaggagcttg gccaaagcct ttcctttgag gctcagggcg 300
ggcttgctaa cattgctata ttgaacaaca acttgaatad ctgattccag cgttccactg 360
aa          362

```

<210> 1754

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1754

```
gaattcgcgg ccgcgtcgac attgaattct agacctgcct cggctcttcc ctttttcac 60
ccatacctaa gccatcagea agtgcttctg aaataccatg tccagaatct catcacttct 120
cactctctcc actgctgcta ccttgactgc tgteatcccc tcttgcttgc attactgtac 180
cagccgcctg actcgtcttc ctgcttccac ctccccacct tcagtcatat atccaggcag 240
caacggaggg ctcgag 256
```

<210> 1755

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1755

```
gaattcgcgg ccgcgtcgac cgattgaatt ctgacctgc ctcgagcttg gtcccacttt 60
tatatttttc ctcttcgggc cagaatttct tatttagttt cttgtatttt gectactccc 120
ccccctctcc atgattcage ctagtctttc cgtctctgt ggacttgggt ggccttctct 180
ctgggcccacc tcgtcttttg ctgctgttag cccaccgcgc ctcgag 226
```

<210> 1756

<211> 209

<212> DNA

<213> Homo sapiens

<400> 1756

```
gaattcgcgg ccgcgtcgac ggtgggggac tctgaacttg tgcctgctgt gccatatttg 60
caatggctgt gaggtgggtc atctggctca ttgccatgag caactatcat gccagtaata 120
accaacatgg agcagactct gaaaacgggg acatgaattc aagtgtcgga ctggaacttc 180
cttttatgat gatgccccat ccactcgag 209
```

<210> 1757

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (20)

<400> 1757

```
gaattcgcgg ccgcgtcgan ccataatgat gctgcttcaa aactcgtggc atattgattt 60
tggaagatgc tgcgtccttc aqaacctttt ctctgctgtg gtaacttgea tcttgcctct 120
gaattcctgc tttctcctca gcagttttta tggaacagat ttggagttag ggctgggtcaa 180
tgagagacggc ccttgcctctg ggacagtggg ggtgaaattc caggagacagt gggggactgt 240
gtgtgatgat ggggtgggaac actactgctt caactgtctt gtgcaaacag cttggatgtc 300
cattctcttt cgcctatgnt cgttttggac aagccgtgac tagacatgga aaaatttggc 360
ttgatgatgt ttcctgttat ggaaatgagt cagctctctg ggaatgtcaa caccgggaat 420
ggggaagcca taactgttat catggagaaq aagttgggtg gaactgttaa cggtgaaqcc 480
atctgggttt gaggttagtg gatggaaaca ctctgttca gggagagtgg aggtgaaatt 540
ccaagaaagg tggggaacta tatgtgatga tgggtgggaac ttaaatcccc ctgccgtctt 600
gtgcaggcaa ctatgatgtc catctctctt tatttctctt ggagtgtcta acagccctgc 660
tgtattgcgc cccatttggc tggatgacan ttatgcccag gggaatgagt tggcactctg 720
gaattgcaga cctcgtggat ggggaaatca tgaactgcant cacaatgagg atgtcacatt 780
aacttgttat gatagtagtg atcttgaacg taggctcgag 820
```

<210> 1758

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1758

gaattcgagg ccgcgtcgac gagtagttgg gcaaaacaaa tagcagtaat attaaagcca 60
 gaaatctcct tagagttctt actgttgggc cagggtgggt ggctcatgct tctaatecca 120
 gcgtttctcg ag 132

<210> 1759

<211> 267

<212> DNA

<213> Homo sapiens

<400> 1759

gaattcgagg ccgcgtcgac ccttttaata gaccaattcc tcttctcaaa attcagatat 60
 tctctgttct cacattccct cagttctcaa tttctttctt cgtagtcttt tctgtactta 120
 acaacctag atttctctcag ttcaggcaaa actctcatta ctagtatttt cctttctctt 180
 tgacctaaa gtgtgaagcc cttagcaatt caccctatat tttctgagtg accttcccc 240
 atgctgctgt gtcagatcac tctcgag 267

<210> 1760

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1760

gaattcgagg ccgcgtcgac cagcgttcca agtgtctctt acatgctaaa cagattgac 60
 cttagttcag agctcttgac cacaacctta tgcctaaaca aaatgcccc gcttccactt 120
 ttcacaggtt gtctccttaa cacaactacc gtgtacgacg aatgctatta tgcccatttt 180
 actgagggga aaacagcttc cctctcatct attctgaacc cctcttcacc cctcgag 237

<210> 1761

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1761

gaattcgagg ccgcgtcgac cttggatcaa aagcatctct ttgaacctct ccttcaggca 60
 taccctgaaa tgcctgtggac tttaaccttt tttctgttgc aaaggctcgt cacatctccc 120
 tgggtgtttg gtcttctctt ccttggctct agtaacacag cagtctgttg ctctctagga 180
 caacttataa tgggacctaa aggggaaaga ggattctccg ggctccagg aagatgtctt 240
 tgtggacca ctatgaatgt gaataacctc gag 273

<210> 1762

<211> 349

<212> DNA

<213> Homo sapiens

<400> 1762

gaattcgagg ccgcgtcgac tgcctgagga aggacaaggt aattagaaaa atatagaagg 60
 gcatgtagat ttgaaagagg atttgggaac attttgaatt tagaaaatga atcttagaac 120
 ttatacttct aactttttat gcttaaagga actaatgtac attttatgat tctagttata 180
 caagtgagg gcttatcage tgggcatttt cattttccct tctttaagaa aaagaaccaa 240
 atqagtaaga gaagaatgta actgggaaaa aactaaaaac agaggaagga agtcttataa 300
 gaagatatat ctgtaaattt aaqaaagcat ttggagaggg gagctcgag 349

<210> 1763

<211> 263

<212> DNA

<213> Homo sapiens

<400> 1763

gaattcgagg ccgcgtcgac aactatttct aactatttct agattacctt ttacagtgga 60

cactttattg acaaaaccca agtccacccc accctctctgg cagctaccta agtgggtatgg 120
 gttttattgt gtctctattt ttgcttcaat tgtttgcttc taagatccct cctggctcag 180
 gccatgctcc tggcccccac ccgcaggatc tgatgtatca ggaatataat tgtgggtccca 240
 ctaccacaaac ccttcattct gag 263

<210> 1764

<211> 568

<212> DNA

<213> Homo sapiens

<400> 1764

gaattcgagg ccgcgtcgac gacctttgga tgaqatTTTT gtgggggtctt ttttggtgat 60
 gttgttggtg cttctgtttr ttcttttaac agccaggccc ctctctctgca gggctgctgc 120
 cgtttgctgg aggtccactc cagactctat tcacctgggt cctcccccaca cctggagata 180
 tcaccagtgg aggtctgcagc aaagcaaaga ttgctgcctg ctcttctctc caggagctcc 240
 atcccacagg ggcaccaaac tgatgccagc tggaaactct ctgtatgagg tgtctggcca 300
 ccttggttgg gaggttccac ccagtcagga ggcacgatca gggacctgct taatgaagca 360
 atctggctgc ccttgggcag agcaggtgca ctgcactggg ggaaatccca ctctcttga 420
 ctaccagcca cctcagagcc agcaagcagg aaagactaag tgtgttgaac aggagatcat 480
 gactgctccc ccacagagga tctgtcccac tggccacctc agagccagca agcaggaaaa 540
 actaagtgtg ttgaacagga gtctcgag 568

<210> 1765

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1765

gaattcgagg ccgcgtcgac gtcccttctc gcttcttgta ccccttcttc cctgttatct 60
 catctaaatc ctggggaatt ctgatatcat atttatcctt ttcaaaatcg aactctgttg 120
 catttttgta gcttctaaga ttccaaatga tgatctctgt ccccttcttg ctcgag 176

<210> 1766

<211> 528

<212> DNA

<213> Homo sapiens

<400> 1766

gaattcgagg ccgcgtcgac atgcaacttc tgcgaacttct gctgggggctt ttgggggccag 60
 gtggctactt atttctttta ggggattgtc aggagggtgac cactctcagc gngaaatacc 120
 aagtgtcaga ggaagtgcc aatgggtacag tgatcgggaa gctgtcccag gaactggggc 180
 gggaggagag gcggaggcaa gctgggggccc ccttccaggt gttgcagctg cctcaggccc 240
 tccccattca ggtggactct gaggaaggct tgcctcagcag aggcaggcgg ctggatcgag 300
 agcagctatg ccgacagtgg gatccctgcc tggtttctct tgatgtgctt ggcacagggg 360
 atttggtctt gatccatgtg gaqatccaag tgcctggacat caatgaccac cagccacggg 420
 ttcccaaagg ccgagcaggag ctggaaaatct ctgagagcgc ctctcttggg aaccgggac 480
 cccctggaca gagctcttga cccagacaca ggccttaaca cctctgag 528

<210> 1767

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1767

gaattcgagg ccgcgtcgac cctaaaaccg ctattttaat ctttgttgcc ttctttctta 60
 ctaaagggtga gtgagctgtc tgcattctct tctggaaacc ttctctgtgc acctgagccc 120
 tctggcctgc tcatggacct cgttgagcta tgcctccctt tcttcatcat gcgtttttcc 180
 ttctctgtct gatcatttgc ttccacacac aaactgcctg ctatgctct cgtattaaaa 240
 ataaaagaac agaaaattct ccccttctg aatcactega g 281

<210> 1768

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1768

```

gaattcgcgg ccgcgtcgac gtttgtagtt gctgggtggg gtaataagtc cttttttagt 60
ttttcaaggga gctgccaaat tattgtcaac aatgtttgta ccgtttctcg ag          112

```

<210> 1769

<211> 351

<212> DNA

<213> Homo sapiens

<400> 1769

```

gaattcgcgg ccgcgtcgac gtgggtatttc tgttcttgag cttcccgagg gatatcccat 60
aattagttat ctgtattggg tgggaaaaag aaaataactg ggttttttct ctgttgccca 120
attctgtgcc acgtttgtta acccctagtc ccaatttttt ctgccggtg ctcttagaag 180
gcttattgga caatcttaac atctgagtag cagaagtcct tgagttaaact tgtgctgaag 240
aattgccaca tagtttaata gttgtggatc tgcgtggttt catggatctt ttgtttcagt 300
atcaagaaga tgccttggtg gaacatattt ttacccccc ttttgcctga g          351

```

<210> 1770

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1770

```

gaattcgcgg ccgcgtcgac aaagtttttt tttttcttct aaactgattt ttagcaaac 60
tcagactgaa acacaggact caacggtgta ttcctggaag gcaagggtgt ataattggcag 120
gcacaattctg tttcatcatg tgggtgttat tcataacaga cactgtgtgg tctagaagtg 180
taaggcagggt ctatgaagta catgattcag atgattggac tttcatgac ttccagtggtc 240
ccatgggaatg tttctgccca cccagttttc ctactgtttt atattgtgaa aatagaggtc 300
tcaaagaaat tcttgcattt ccttcaagaa ttgggtatct ttatcttcaa aacaacctga 360
tagaaacctat tcttgaaaag ccatttgaga atgccaccgg actcgag          407

```

<210> 1771

<211> 328

<212> DNA

<213> Homo sapiens

<400> 1771

```

gaattcgcgg ccgcgtcgac ctgggaacgag taggtttcac tgtttctcat aggagaattg 60
acaacttaaa gtaaaaacaa attattttctg tcaaaagtctt tttttttctc ttaactgatt 120
tttagcaaac ctcaagactga gacacaggac tcaacggtgt attcctggaa ggcaagggtgc 180
tataattgga ggcacaacct gtttcatcat gtgggtgtta ttcataacag acactgtgtg 240
gtctagaagt gtaaggcagg tctatgaagt acatgattca gatgattgga ctattcatga 300
cttcagagtgt cccatggtct cactcgag          328

```

<210> 1772

<211> 339

<212> DNA

<213> Homo sapiens

<400> 1772

```

gaattcgcgg ccgcgtcgac tgcctagtaag aactactcca tggctaattt gttcttcaga 60
gtaaaactgaa ctaactcttt ccaagtgcga gctgcctcaa gctgataaat gcttaaattt 120
ccaaaatact acaaccaaaa gcaaaagtctt ccagttctcc agatacaatt tttttataga 180
tacctcaaca tgcacaaaaa tttttcttct tgcgtgtgtt ttttgagaca gggctctcgt 240
ctgtcaccgg ggcaagagtg taatgatgtg aacacagctc actgcagcc caacctcttg 300

```

gggtcaagca gtctctcagc ctcagccccc tccctcgag

339

<210> 1773

<211> 292

<212> DNA

<213> Homo sapiens

<400> 1773

gaattcgagg ccgcgtcgac ttcttagtaa ctgtgtcttt cacattttat aaatattaac 60
 ttcttaaacc tgcattctct tctttgtcca catatcgtea cattacaaaa aagaaatgtc 120
 aattaaatac actgttaatg ttactatatt aaatctgttc tctgtctcag cactccgctc 180
 cttttaccac caccatacac ccctaacccc actcccacca ctgctagttt gtcccactgc 240
 tactgttgcc aacactgtca ccactgtcac catttcaacg tccccctcag ag 292

<210> 1774

<211> 247

<212> DNA

<213> Homo sapiens

<400> 1774

gaattcgagg ccgcgtcgac cacagacacc cagctaattg tcattctacc gccctcagctt 60
 cccaaactgt ttggattaca ggtatgagcc actgtgcccc gcagaaatta catttacaaa 120
 ttaatatgaa gacatgggtga taactaacat atttataaca tgaaatctgc tcattccagga 180
 acatagaatg caaatctttc attccactca gcaaaatttt gtctgtctct tgataaaaat 240
 cctcgag 247

<210> 1775

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1775

gaattcgagg ccgcgtcgac actaatgaag gtgcctggga ctaggggcagc taaaagattg 60
 ttttgtcaag tctctcagct gctactcttg ggccatatgt ggatgtttat ggttccagtg 120
 gcccactcca atctcttttt ttgtctagtg cctggcctgg taccaccagc tcttagggct 180
 actggcatga gtgaaaagag cccagtgtta cccaacacac cactaccac ctgtattct 240
 tcaaccaccc ggacccacac gtctctcgag 270

<210> 1776

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1776

gaattcgagg ccgcgtcgac attgaattct agacctgacc ctccccaact cctctgtct 60
 cctctttcat tcttcccttc ttctcttttc cctctctttc cccacttcga tctgagctgc 120
 ttcttaacgg tatgagatta tttaactcct tcttcttctt tctcttctct gtcttgcttg 180
 gccatagagag gtgccttgcc tgtccctcct gcacccaccc tctttttcca agcatgaaca 240
 gtggactcga g 251

<210> 1777

<211> 342

<212> DNA

<213> Homo sapiens

<400> 1777

gaattcgagg ccgcgtcgac gttatttate aattttttca aagatctaca ttaaaagtat 60
 gaaataaatt ctttttcttt tttaatatgt atgacataag tctttcatag tagcagaatt 120
 tgcttttagga aaacgatgat tatatgttta tataattacc atataqaatc tgaacataa 180
 tggatgaatgt cctgatgtct tctaatccga tcaattaaat gatttaaatg ggtggatgga 240

tgacaggcag gcaggtcac agacaaacct ttttatgct aagccaacaa accaccattt 300
 ttttttttcc ccttagtcg ggccttacc caatctctcg ag 342

<210> 1778
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1778
 gaattcgagg ccggtcgac gtttgggaag aaatgggtgaa tgcctgctgg tgtggtcttc 60
 ttgctgcact ctcactcctt ctgcatgcca gcacagatga agctgccact gagaatattt 120
 taaaagctga actgactatg ggtgttcttt gtggaagact gggccttgta acttcaagag 180
 atgcctttat aactgcaata tgcaaagggt cctgcctcc ccattatgct cttactgtat 240
 tgaataccac cactgcagct acactttcca acaaatcata ttcggttcag ggccaaagt 300
 ttatgatgat aagtcacatca agtgaatctc accaacaagt tgtggcagtg ggtcaacctt 360
 tagcagtcca gctcaaggg acagtaatgc tgacttccaa aaatatccac gtgctcgag 419

<210> 1779
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1779
 gaattcgagg ccggtcgac gtttgggtctg gcttattatt atcaaaaggcc attaaqacca 60
 ctgataaaaa agttttaaag gttataatat ttataaaaagt atcatgaaac tggagtgttt 120
 cctcgag 127

<210> 1780
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1780
 gaattcgagg ccggtcgac cagagaccac atcaactcagt tctcagaaca cctgaagatt 60
 ttttttaaaa ttgttaaaaa tcagagctat ttattagaag caatctgtgg gtgataataa 120
 atctgctttt agagttttat ttagctagat tttttattgt gctaaataat agaagggtac 180
 tgcacgcacc atctctgate agtctgcaaa cttagagcgg tcagcctctg cttgcaaaat 240
 gaaaagttag ttccctagac agcaccgtgt gtctgaactt cagtacttcc ccaaggaaaa 300
 tcttaaccagg aaaactctgc ccagaaatct gtctattaac agagggtgata accaagctct 360
 tccaaggtaa taatatgttt atattgagtt ttataacttc catgttccga ggaggccatt 420
 ttcattgcat atgtcctccc actaaagctg ctacacttat ttgtttgttg atgctgaca 480
 gtccaagtcg gtcaaatttc ctgcccctct cagggtggaat gctcgag 527

<210> 1781
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 1781
 gaattcgagg ccggtcgac cctaaaacgt cgatttaact gcttcgagcg attctccata 60
 catctttccc tgcaaaagaa gtattttcaa tgggttaact caaactaata tttcaaacct 120
 tctctccac tcaaaacttt cactcaatat ctagtctaac aagctgttgg gtggttgctt 180
 acagtgcac atctctgctt ccattctcta tcttcgag 218

<210> 1782
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 1782

```

gaattcgcgg ccgcgtcgac ctgaatacct ttgaaaagaa cacaccctat cccattccctc 60
caggtagcca ccattcttgg acttatacca agcagccttg ctacaaaaca ctcttgagtt 120
tgctaagatc caagagacca gaccttctca tgacaccact gctgtcttct tgtcttccctc 180
tctgtgcagc cacccttagc aggtctcagtc tcagtcttgc ctccagtcac catccaaaaa 240
taaccaccac ttcctctgag                                     260

```

<210> 1783
 <211> 106
 <212> DNA
 <213> Homo sapiens

```

<400> 1783
gaattcggcc aaagaggcct aaattctctac caggttcttg gatacagtga aatagctaac 60
ctctgtttca agaatgcagt tattaagcca aaggaaetta ctcgag                                     106

```

<210> 1784
 <211> 149
 <212> DNA
 <213> Homo sapiens

```

<400> 1784
gaattcggcc aaagaggcct attttgcctgc taagagttcc cgttttaatt gtcttgcttc 60
ttttctgaac tcttcaactcg agtttggaac caaagatcat tgccagaatc ggccaaagag 120
gcctaattga attctagacc ggctctgag                                     149

```

<210> 1785
 <211> 158
 <212> DNA
 <213> Homo sapiens

```

<400> 1785
gaattcggcc aaagaggcct acttaaatct aaaagtagat ctctgacttg atattccagt 60
ggcctggcct gtgaatcatt tctcgctgac tagcctgtct taactcaatt tgactaaaaa 120
gtcttcacca agagatgtta gttgcacct ttctcgag                                     158

```

<210> 1786
 <211> 102
 <212> DNA
 <213> Homo sapiens

```

<400> 1786
gaattcggcc aaagaggcct attcttttgg acaaacatga taaacttctt cagatacttt 60
tttttctctt tggcaggaag gtgtcttgcg gcaggtctcg ag                                     102

```

<210> 1787
 <211> 110
 <212> DNA
 <213> Homo sapiens

```

<400> 1787
gaattcggcc aaagaggcct acccagattg ccagcgcagg ttggaagcgg catatttgga 60
tcttcaacgg atactagaaa atgaaaaaga cttggaagaa gctcctcgag                                     110

```

<210> 1788
 <211> 149
 <212> DNA
 <213> Homo sapiens

```

<400> 1788
gaattcggcc aaagaggcct aaacacgata ccatttcttg gatgttctcc ttacgaacag 60

```

tctgtgtcttc ttttcacatt ctgtctacag caaatgcata tttttggcac attgtccct 120
gcaccttcca agatcacac aatctcgag 149

<210> 1789

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1789

gaattcggcc aaagaggcct aaaaaaagac atttattcag cgtcacgac agactgttac 60
atctagcaat caacagcatg ggggtgcaaaa aaaaaaaatc tacattaaaa ccttttgttg 120
gaatgcttta cactttccac agaacagaaa ctaaaataac ctgttataca attagtcaca 180
aatacagtc tcgag 195

<210> 1790

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1790

gaattcggcc aaagaggcct aagaaagtct gatttttttg aattttggcc tctgcttcaa 60
ttccaaatcc tttatttgat ctggctggaa taacgtgttg acactttctg gtaccttttt 120
ggaccttctt tgggtgcaacc ctaattggau aagcaataat aaaaatgcac atccagaaaa 180
ttttgttat aataacatcc agcaagcaca tagtggagca aatgagcttc gag 233

<210> 1791

<211> 123

<212> DNA

<213> Homo sapiens

<400> 1791

gaattcggcc aaagaggcct agatgggatt ttcattgtta cttttttcat ggcattcttc 60
tttaactgga ttgggttttt cctgtctctt tgcctgacca cttcagctgc aagaaggctc 120
gag 123

<210> 1792

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1792

gaattcggcc aaagaggcct atgaacattt atataatctt acctggacat caagctgttc 60
tctctctctc ttttttttaa tcttattatt attatttttg caacatgtac atttctaaca 120
tcgtactcga g 131

<210> 1793

<211> 127

<212> DNA

<213> Homo sapiens

<400> 1793

gaattcggcc aaagaggcct agggatctgt tgcctggaaag tcatgttgaa ttttttctt 60
ttctctcttt tatttgata aatatatgag gtacaagtct agttttgta tcttgacctg 120
cctcgag 127

<210> 1794

<211> 107

<212> DNA

<213> Homo sapiens

<400> 1794

gaattcggcc aaagaggcct atggacgtag acattactct gtcctcagaa gctttccata 60
 attacatgaa tgcctgccatg gtgcacatca acagggccat actcgag 107

<210> 1795

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1795

gaattcggcc aaagaggcct aggacattct tatctcggga cacacacaca aatttgaagc 60
 atttgagcat gaaaataaat tctacattaa tccaggtact cgag 104

<210> 1796

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1796

gaattcggcc aaagaggcct agagttagta aggggttttat atctcttctg tccatattgt 60
 tttcaaggga atgaggtgtt taggtggctg gaaaagcatt tctaggaagt ggctcgag 118

<210> 1797

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1797

gaattcggcc aaagaggcct ataagtattg cctcaagaac tttccactat agaattcttt 60
 ttttatttaa aacatgtatg tattttaaac tcaactgggt ctcgag 106

<210> 1798

<211> 124

<212> DNA

<213> Homo sapiens

<400> 1798

gaattcggcc aaagaggcct aacttaagta ctaatatccc agaaattttt gaaagcagta 60
 accttaattt cctatgtatt tcattccact ttgcatata ggtcaaatag caatgtgtct 120
 cgag 124

<210> 1799

<211> 155

<212> DNA

<213> Homo sapiens

<400> 1799

gaattcggcc aaagaggcct atgaaaataa cctatqatcg tatgttttgc attcctagaa 60
 gtaggttaac tctgttttta aattgttata acctccacac tttttgaaat ctgcctaggc 120
 ctctttggcc gatigaattc tagacctgcc tcgag 155

<210> 1800

<211> 115

<212> DNA

<213> Homo sapiens

<400> 1800

gaattcggcc aaagaggcct aattatccaa aatgcttgag ccagaaatgt gttttagatt 60
 ctggcttttt ttttttcagg ttttagaata ttgtgttctg actgggtgagc tcgag 115

<210> 1801

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1801

```

gaattcggcc aaagaggcct aagaattatt tttctctgta gaaacacaga taccacttta 60
tcagggaagt tagtcaaattg aaatggaaat tggtaaattg accctctgag 110

```

<210> 1802

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1802

```

gaattcggcc aaagaggcct aggtgcctgt gaggaatttg aggtccctgg accctctgag 60
gacacagtcct ctgtctccat cagctgcagc cttcaccacc tcgatgtaat ggtctgtgaa 120
ctctgtccca aactcccggc ttgcacaaa gtccagcagg gtcacctggt ggtcggaggc 180
atcacacaga aacctcgag 199

```

<210> 1803

<211> 259

<212> DNA

<213> Homo sapiens

<400> 1803

```

gaattcggcc aaagaggcct agtgtgcctt catcttgctg atcttctcct ggtcggccc 60
gagctcgctc tcggtggcct gcaggctcct ctccagtgtg gccacctggg ccagcgtggc 120
ccggcgtctc cgtcactgt gccgcacct ctctctctgc agcgcagct ccgcctggac 180
cccgtcagc cgcctatcca cactgcgcgc ggtctctca ctctcagcca ccgcctctctg 240
cagctgcctg gccctcgag 259

```

<210> 1804

<211> 138

<212> DNA

<213> Homo sapiens

<400> 1804

```

gaattcggcc aaagaggcct agtcaggatg aaaaggaagt tgagattttt taaatccctc 60
tccgcttgct ttttttcag taccaacttg ttattttttt ccttatctga ggtacctgg 120
ggatgggatg gctcgag 138

```

<210> 1805

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1805

```

gaattcggcc aaagaggcct agctaaattt ataggagttt tcagtaactt aaaaagctaa 60
catgagagca tggcuaattt tgctaaatct tactattccc gag 103

```

<210> 1806

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1806

```

gaattcggcc aaagaggcct actglttcca atacactggg atagtatcca agatagccag 60
aagaataaag acgacaataa aacagtaaaa tgatcaggtg gtggctcgag 110

```


<210> 1807

<211> 156

<212> DNA

<213> Homo sapiens

<400> 1807

```

gaattcggcc aaagaggcct acgagtgtta aagtggctag aaggggtgcta gtacttaagt 60
gagatgtcag tgcttgcctg gttcattact attacgggat atgtgaatta ctggggcagg 120
ctgggagagg ggtctaggct atcaggatac ctcgag 156

```

<210> 1808

<211> 102

<212> DNA

<213> Homo sapiens

<400> 1808

```

gaattcggcc aaagaggcct aacttccagt atggctgctt ttttgttctt aaattccttt 60
cttttagtga tggggtcttg ctgtgttact caggccctcg ag 102

```

<210> 1809

<211> 134

<212> DNA

<213> Homo sapiens

<400> 1809

```

gaattcggcc aaagaggcct agttttttct ttttaacctt ttaagtattg attctgcttg 60
agaatattga agtacttgcc agaagttgtg gatttcagtt ttaacaaatg ctattaaagc 120
ggagaatgct cgag 134

```

<210> 1810

<211> 109

<212> DNA

<213> Homo sapiens

<400> 1810

```

gaattcggcc aaagaggcct actttcactc ttgtaaaagc cacatatcca catctcttcc 60
attttctcag tgtgttatgc agcaatttat taaagtattt attctcgag 109

```

<210> 1811

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1811

```

gaattcggcc aaagaggcct aatggacagt ctgctactgt gcattgcttaa ctttgtcttc 60
tttactctgt cttttgattc tgttaggggt ctggcaaagg gtggagagaa aagtagagaa 120
ggactcgag 129

```

<210> 1812

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1812

```

gaattcggcc aaagaggcct atggggcagg gagtttagaa tgaatgggta atgtttgatg 60
gtcattgggc tttttttttt tctatgaagt tgtttaagtg gataataata acaataacaa 120
caatgaaagc aaatcaatgt tgcagcttga gagctggctg gcccttggcc catagcaqca 180
cagaaagga ggaaggaag gacagcatcg atgggggtct cgag 224

```

<210> 1813

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1813

```
gaattcggcc aaagaggcct atggacctat tataattctt gtctgggttt gtccactgga 60
gcaataaagg aaaatgctta tcttacttct ggagtttctt cagctcctgg gttcagccct 120
caactattcc tcagcagggt ccttcaagct cgag 154
```

<210> 1814

<211> 139

<212> DNA

<213> Homo sapiens

<400> 1814

```
gaattcggcc aaagaggcct agaaaatgtg ggtgatgggg aagttggtaa tgactccgct 60
gttttttctc atggctcctt tgggccacag ctgcccgccc ccggtataca ctgtagttag 120
ttgcaggga acactcgag 139
```

<210> 1815

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1815

```
gaattcggcc aaagaggcct actcatcttt tgttagattt attcctggat tttttttta 60
ttctattgta aacgatacca tttgttaat gttattttcc agtttactcg ag 112
```

<210> 1816

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1816

```
gaattcggcc aaagaggcct atataaagca gaattcaaga ggtctcctgt agtattaatg 60
tctgataaac agtgtgtgat tctcttcttc aatatttctt tctttctgac tctttgttcc 120
ggtctctgta tatatattac tgattcactc gag 153
```

<210> 1817

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1817

```
gaattcggcc aaagaggcct aaaaaatatg ccattcttat ctgtttgggt ttttaattct 60
ggcttaatat tgggggttga gtcatttgtt ttgagaactc gag 103
```

<210> 1818

<211> 118

<212> DNA

<213> Homo sapiens

<400> 1818

```
gaattcggcc aaagaggcct agtgaagtgg agttatgggt tcattcaata gagtattgct 60
gattatactt gagtgggaac ctctctctac gtactccac agacgtcggg acctcgag 118
```

<210> 1819

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1819

```

gaattcggga aaagaggcct agcctgtatt tccagctact tgggaggctg aggtaggagg 60
atcatttgag cctggggaaa ggagggttga gtgagccatg atcacgccag tgcagtccag 120
ccagcgcaag cgagtgaggc cttgtcccaa aagataaaaa taagaaaaac ttcattcttg 180
gtctagacat ttgcagctga caaccattca acgatttggg ttttttttag tccatggatt 240
aaacaatagt gggtaagaa tgccttttga actttccctg aggaaactag ggaaaccacc 300
agtgcagta taattcatac tgtgctgcct ggccccgtca gccttgccgt gtccatgtgt 360
caggcccccc agcctacagt ggattttccg tttacatccc aggatgattt aggaaatctc 420
tccagttttc aacagaacca gctgggcgcc ctcgag 456

```

<210> 1820

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (609)

<400> 1820

```

gaattcggcc aaagaggcct aggttaaagt tttattaaat caagctttta aattatatat 60
ccacctacag tctataaaca aatatagtac acatgtatgt aaaaggctag cagataagaa 120
ccagtggaaa aactaaagtt ccttttgac accggcacct catcacaca cctcttggt 180
gtggatgcca tggggccact gctgtagtca aaagttaaag gaaaaacca caagttagt 240
ttgactccgt ctctagggt ggatttcatt cagatcttg tccatatta taggagggtg 300
gacctagca aggcacacgt gtagtcttta cattcacaga ttggctgaag tagtacaat 360
tgagctgcta atctagggtg ctcctccct gttaccatac ttcataagaa atgtgaatta 420
aaatgaacaa tggaccacag gtgggtataa aaatagataa ctgcagagt cataaatatc 480
tacagttagt agagcagaaa cttctaaaat ttacctttt ccataatgtg cagaatatcc 540
taagtatgtt caagagacac agtcagcaga cttcagagtg gtaattacaa gggcattggt 600
aaagaaatna cactcgag 618

```

<210> 1821

<211> 575

<212> DNA

<213> Homo sapiens

<400> 1821

```

gaattcggcc aaagaggcct actgtgggga ggtattcaaa ggtttcctaa aacatcaggg 60
aagttcgcca gggaaagact cgttggttag catgttctag ggagagctag tggtagacag 120
gcccaggcca cagcaggcct tgtagatggg ccagggtgct ttacctgtgc actaggggtg 180
gtacttgccc ctgccttggc cctgtgtgg gcttatcttc tgcagagacc attgtgggtc 240
tctgggtgcca gaggcaccca gaggtctgtg atctgcctgc ttgaggcgg gaagggttgt 300
tccagttctg ctttcccaag cgggtggctgt gggcaacct tatgatccag gacgcattgt 360
catcttaacg agcagctggc ttacacacca gggcgagcag aggtcttaaa ttatgcccgt 420
tgtcctggag taatttagag cagcctcttt tctatccagg catcctgggt tgcattgtaa 480
ggtatgaata cagttgcctt taaacagcac gatgaagtgg ggggttatt gttctcatt 540
caccaaggag gataatgaac cttagcgatc tcgag 575

```

<210> 1822

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1822

```

gaattcggcg ccgcgtgac taagcccttg tattatcaca aattgtcaca tgcgtgcatg 60
tattactttc tctttctcgt taatgacctt agccctccat attgtcatgt attgtcacgg 120
attagcagtg cttattctga ccacgtacga gtgtgttttg tgcattgtgt taatcaagat 180
ttagttaaat tattatactt tcatatgttg acctgtattt tcatgggact gatcgtggc 240
gtggagccgg gcgtggaatg cgagtgccta gtgggccacc gccctcgag 288

```

<210> 1823

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1823

```

gaattcgcg cgcgctcgac gacatgcaac taatagccct tgaacagcta tgcattgctgc 60
ttttgatgtc tgacaacgtg gategttggt ttgaaacatg tccctcctgc actttcttac 120
cagccctttg caaaattttt ctgatgaaa gtgtcctcaac actcgag 167

```

<210> 1824

<211> 207

<212> DNA

<213> Homo sapiens

<400> 1824

```

gaattcgcg cgcgctcgac cttatttttg aagaaaagaa aagaaattga agaagtgaca 60
gaaaacttct taaatttggc aaacctaaat attcaagaag ctgggcaaac tccctaacagg 120
aaaaactcag atccattccc agatactttt taagtaattt gctgaaaact gaaaacaatg 180
aaaaaaatct tgagagcagc actcgag 207

```

<210> 1825

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1825

```

gaattcgcg cgcgctcgac gtttaaaaag gagtagccta agattaattt aaaagattat 60
ttacagatga cacatttatg gggtcactat ttaagtaaatt ttgctgccct ccacagcctt 120
ctaattttat ttatatgttc cagcagatta ttaggatctg cttactttct aggaaagaat 180
caatgctggc aacacattgt ttcagaaaca ccaagtctcg ag 222

```

<210> 1826

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1826

```

gaattcgcg cgcgctcgac cctaaacctt catattcttt cctcttatca catgttgctt 60
cctctcttat gctacctggc ccttccctcc ctctcccaac ttgccccaca gctgctcccc 120
ccaaccacac ctacctggc caacctctct actcaccctc tcgag 165

```

<210> 1827

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1827

```

gaattcgcg cgcgctcgac ctccattgct ctgtttgggt tccgtgtttg caagggcaaa 60
aactgaataa aaattatagc attctatttt ccagccacaa atgttggtctt cagctctttc 120
taattatata atccatttac tcgag 145

```

<210> 1828

<211> 205

<212> DNA

<213> Homo sapiens

<400> 1828

```

gaattcgcg cgcgctcgac ctctgggttt gttcttatta tcatatttga tgactttatt 60
tgaagaaccc aaattatggt tctccatttt tccagatcac tggtaaatat ttttagttta 120

```

aatcattctc tggggagagt taaaagaagc agtccaggta gctgggttat tgtgtagagt 180
aacagataat tctgatgtac tcgag 205

<210> 1829
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1829
gaattcgagg ccgcgtcgac tttcttatta agcacaaaat ttaacttttt ttcagtctag 60
atcttgatcc tccagaacca tgccttggtc tttctctctg tgttttctgc agqaaagtgg 120
atttatgggt actatgggtc ctgggcttat agatgaactt ccccttaact gtttaaatgtg 180
cacgctcgag 190

<210> 1830
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1830
gaattcgagg ccgcgtcgac actcccccat aacctctctg acacctcacc atttacacct 60
ccagacatac tagcccttta ttgtttctcc cccatggctg ttccttcttt ccttttctgt 120
ggagtacttc cctctctcac caagtctctc cccaatatct tcacagagtc gctcgag 177

<210> 1831
<211> 196
<212> DNA
<213> Homo sapiens

<400> 1831
gaattcgagg ccgcgtcgac cactggctcat gtatttattc catatttata tggctctact 60
cctgtggctg ggagcagcag ctcttgaagg ttccgtgggg gtgcgggggg ttggacagga 120
cactccttct tgggaaggcag caattttccc agccctcctc ccattacaca cacacacaca 180
cacacacact ctcgag 196

<210> 1832
<211> 305
<212> DNA
<213> Homo sapiens

<400> 1832
gaattcgagg ccgcgtcgac ggggggaaata aagcacatct gaaataattt tcaaaaacga 60
ttggcctctt caaagaagtc ataaatatct gacactcact gagaataaac tggcaactta 120
catgatcccc ccaaattctg agctaatcat tcatagaggg gaaaatagat aangtatagt 180
gttacttcca ttgatgata atgatgatga tgatgatgat tatttttgtt attctaagac 240
tgagcttctc tctgtcaccg gggctggagt gcaatgggtc aatctcagct cactgcaacc 300
tcgag 305

<210> 1833
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1833
gaattcgagg ccgcgtcgac actccccctg tgggaagaaac cagctctgtg tcttccctga 60
tgtcttcacc tgccttgaca tccccttctc ctgtttcttc cacatcacca cagagcatcc 120
cctctctctc tcttctctgt actgcacttc ctactctctg tctggtgaca accacagatg 180
tgttgggcac aacaagccca gagtctgtaa ccagtccacc tccaaatttg agcagcatca 240
ctcatgagag accggcccat ctcgag 266

<210> 1834
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 1834
 gaattcgcgg ccgcgtcgac ttcatttggg tgttacatct cttaaattctc ttcttccctct 60
 gtctttcttc ccccaactttt ttttttttgc ttcattgctgt tgacttggtta tggaaacctg 120
 gtcagttatc ctgtagagta ctgtatttct cactccatat ttgtttgctt tcttggtggg 180
 ttaatttgtt cctctatcct ttggatttcc tataaaatgg aagtcctcga g 231

<210> 1835
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 1835
 gageccccag taagttattg cagatcaagt cgcacactgt ttctaggatc acagaagggt 60
 cctatagatc agtctagcct acccgtttta ccagtggagg aaccaagcac caggaaagga 120
 attggccatg tcactcagtg agcaaacagc tgagttgaca ctggaagctg gaagcttgtt 180
 tgccagtctg ttgttcacat tatactcaag actcgag 217

<210> 1836
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 1836
 gaattcgcgg ccgcgtcgac agaataacgt gcactatgat atctgtgttt gggttgtatg 60
 atagtttttc atacactttc ctttagcagca ttacataat taaggcatac ttcattttgca 120
 cagacaatct gatttccctt acccttcact cacaacctt aaaacccccca attctcgag 179

<210> 1837
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 1837
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 ctgagggaag gcctacgtaa gccacgttag gtaatagaat ccagatagaa actactgtct 120
 tactgagatg aagaaccaga tgacagagtt cagagtgatt ctatcagggt cgaacgcggc 180
 gcgaattc 188

<210> 1838
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 1838
 gaattcgcgg ccgcgtcgac tctcaatgga cagcttagtc aacggaagct cagagagggt 60
 gtgtaacttg tcaaaagtcc cactaccag tgaatgtccc caccgggtct gcaccagga 120
 gtctgacaca gageccaggc ctccagccct ggccatgttt tgggggtgtg agcagccag 180
 cctactctgg gcaagtggtt acttgctgtt ccttctgctt catgtttgtg ttgccccct 240
 cgag 244

<210> 1839
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 1839

gaattcgcgg ccgcgtcgac ttcttaacgg ttgcaagca ctattccctt gccgaacctt 60
 taggatcgtt gcatecgtga ttttccctaat atttatcatg cgttttagtgc tagccttttg 120
 ttatgtattt tgcaggtgcc aactcgag 148

<210> 1840

<211> 596

<212> DNA

<213> Homo sapiens

<400> 1840

gaattcgcgg ccgcgtcgac atgaccttac gaagcttaac ccaaaggtag agagtccatc 60
 cctttatatc ctgcattttg taaaatgtaa acaatgctta ttttgtgcaa aaataatttg 120
 ctactagtct ttgtggaatg tgaactgata aggagtatta ggaattgttc atatcaatta 180
 ttttaattac ttttttttca gtttgaaata gtttagagatt cgtaggaagt tgtgaaaata 240
 atacagagat ctctgtact tctcaccag tctttccagt ggggagaatc ttacaacact 300
 aatagtgaat tatctaggtc aggaagtgtg cattgggtata gtccacggac ctcaactaca 360
 tttccctggt tttgcgtaca tgtgtgttct tgggcacgt gtgtatagat gataaatact 420
 aatatatatg tatagaacaa atctatacac atgatgtctc ctctccgcg ctctgggga 480
 tctttcatat atactgcata tatatatgca tggaaacaaat ctataacaaa tatatgtata 540
 gaataaatct aaactgcac atgtgtatag atttgttaag ccaccacaag ctcgag 596

<210> 1841

<211> 158

<212> DNA

<213> Homo sapiens

<400> 1841

gaattcgcgg ccgcgtcgac ctctggagaa tctatgcgaa tcaacctttc taccttaata 60
 tctcccaaaa aatgtatagt gccttgtttt tatgtacagt ttatatacag aaaagtgtgc 120
 tctgcatttt tcatgatggt ttggaacatt atctcgag 158

<210> 1842

<211> 179

<212> DNA

<213> Homo sapiens

<400> 1842

gaattcgcgg ccgcgtcgac cttaaagaaa ctaagatata aactaccaag tgcctttaag 60
 aataaaaaata agaataagaa tacaaggag cactactctt ggctacacga aagatcttgg 120
 gattcatgac actgagggca gggagaagaa agaacaccag ccacgcagag aacctcgag 179

<210> 1843

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1843

gaattcgcgg ccgcgtcgac gtctcataaa aattgaagca aacctagaag gcttcaaaa 60
 tctggcagcc aattccagat gaagcttaac ttgacctacc ttgttttat tatctctt 120
 ctttttcaca gagggtctct tgaacaggtt tgtgagttta acctagcaat ccattgagct 180
 gaactcgag 189

<210> 1844

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1844

gaattcgcgg ccgcgtcgac caggatttat ggaaagagga aggaaggcac agaactgggg 60

aaaggttctg gttttgttct gttatttctg tgcattgtt actgtttgtt tttttttttt 120
 tgagacagag tctcgactt gtccccagg caggagtga atggcgact cctggctcac 180
 tgcaacctcc acctcccagc ttcaagcga tctcgag 217

<210> 1845
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 1845
 gaattcgagg ccgcgtcgac cacaactgga ttttttagtt ataacagcca gaactggagt 60
 cttccattcc agtgtatttt ccttcatttt aagggtgaaa taagacctgg atccaccaag 120
 gtcttgggac agattgaaga aagacctga gcagggtgt tttttgcctc tgauggetgc 180
 cttcctgaaa tctcatgagg ggactatgt tagttcctgc tgtttccaca gttcttagga 240
 aaatgcagcc tatcttcac ctaatttctc tgtcaacttc tgcctgtgca actcttgagg 300
 gacatttaaa gcaaccacag ctcgag 326

<210> 1846
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 1846
 gaattcgagg ccgcgtcgac acgtaattct ctgcatttgg cactacatac gagaaatata 60
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 atattatttc attttgacat tgacagttaa atagggtgaa gtatgcttat taaaaatgta 180
 actctcgag 189

<210> 1847
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 1847
 gaattcgagg ccgcgtcgac caagagtatt tttatcaagg gtgagagtct aatgaagtca 60
 atcaaattat cctatttaat cctaaattat cttagtatt ttataaatat cagaaaaaca 120
 agcctttctg cagtatctga gaaaatgtgg tatgacctt caatccatgg gcacctcgag 180

<210> 1848
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 1848
 gaattcgagg ccgcgtcgac ttgaattctt gacctgcctc gacctactta ttttataatc 60
 tttgtggcta gacctggaat gctgggttct tttcttggg cctctctccc tctcgag 117

<210> 1849
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 1849
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 ttgtttacag ttttttaaga ggcattggtt tgcctcaaac atttttacct gttttctttg 120
 tgtacttaag aatgactggt ttactcctaa attgtgctct aaagtacagt cctctttctt 180
 ggacaggatc catgctgcag aatgggtgtt ctgattttga gaccaagtct ttgactatgc 240
 actctattca caattctcaa caaccagga atgctgctaa atctctctca agacctacca 300
 cagaaactca gttttcaaat atggggatgg aagatgttcc cctcgccacc agtaaaaaagc 360
 taagtctcaa tattgaaaaa tctgtaaaag acctccggca actcgag 407

<210> 1850
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 1850
 gaattcgcgg ccgcgtcgac gaaatatttc tctaagaaaa ataatttacg gattgatctc 60
 tgtcttaaaa atgacctttg catcttgctg tagccttcag caaactgcac ttgttgcctt 120
 gcaggacagg gcagtgttcg ggttgaagtc ctgtgttctg atcgggattc tcgag 175

<210> 1851
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 1851
 gaattcgcgg ccgcgtcgac aaacagtgaa tttattgggtg ttctagaatc attaaattcg 60
 ctagagaatt tgctagtga tttggattgc tttctgaaca ttttctgtt ctctgtagt 120
 gctccctctg agcattgtag aagtgttcca gcacctat gaagaccaca ttcattttgt 180
 cagggatact cgag 194

<210> 1852
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1852
 gaattcgcgg ccgcgtcgac tgaacttagg tgetattttt ctatgtcgtt tctctttta 60
 tttgggtgaat accaaaacgt tagtatttta aacatatgtt ttagttctga cactgaattt 120
 gtagttacga tatgttatct cggatatagta gtctctctt atctgtgggt tctgttacct 180
 gtggtaact atgggtccct cgag 204

<210> 1853
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1853
 gaattcgcgg ccgcgtcgac gtatataqta ggcactcagc ataaattcgt tgaacaaaat 60
 aaataagata tagagccact ggagcacaga ggacagggtc tttctgggtc aaggcactaa 120
 ggacagtttc accgagaaga ttttgaggag agtcgagcta aaaatgagga ggattttgat 180
 agaaggatgg ataactcgag 199

<210> 1854
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 1854
 gaattcgcgg ccgcgtcgac ctgtatcaaa tggaaacataa tataataaat gtatattgaa 60
 catgttataa tcatgttaca gtcattacta cccctcttat ctcttccatg acgtctcttc 120
 tcatgtttct tcatctccca ttaactcgag 149

<210> 1855
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 1855
 gaattcgcgg ccgcgtcgac ctcttgccttg gtagtcttcc cagaaaggat aaacagtggg 60

ttttgttttg ttttgtttta ttgtttaagt gggaccactt agcttccgt ttccttacta 120
gttaaagaac agacattaat ttccagttga atgtattttt gcaggcatct actcgag 177

<210> 1856
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1856
gaattcgagg ccgcgtcgac ggacaaagaa tgccccatca ctgccctcca gaacatgcta 60
caaaacttgt ctctgctctt tcagctcttc ttccttttcc tgagctgctc ggatctcttc 120
ctcaatcatg gacaaagtcg gctgtttctt ggacctcagc ttgaaaggcc caaccatcac 180
gtcagattct tgagtggcca ggaaggaggc tgtgcttctc agctcagctg cctcgag 237

<210> 1857
<211> 257
<212> DNA
<213> Homo sapiens

<400> 1857
gaattcgagg ccgcgtcgac tgggttttgtt acagagcagg agaagcagag gttatgacag 60
ttatgcagac tttccccctc ctctttctct tttctcttcc ccttgccttt ccaactgttc 120
ttctgtctgc cactggggcc ttgaattctt gggtgtgaa gacatgtagc agctgcaggg 180
tttaccacac gtgggagggc agcccagtac tgtccctctg ccttccccac tttagaata 240
tggcagccca actcgag 257

<210> 1858
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1858
gaattcgagg ccgcgtcgac cagccatact cctctcgatg ttcagatgct ccttctcttt 60
tcttctctgc cgtgccttcc tgccactctg ccagttctct gctcttctgc tttggagacc 120
tggggtttgg ggtttctacg ggtacaggat agggaggcat ggcggggcaa aagcaacact 180
tgagttcgaa aacaqgaata cctgttccca tttagggcgg caggtttcca agctcgag 238

<210> 1859
<211> 160
<212> DNA
<213> Homo sapiens

<400> 1859
gaattcgagg ccgcgtcgac cagaagtatc ttggtgactt ttltgagttt agccatccat 60
cagtatttct ttctctgggg tagtagttaa catgaatttt aatctttgtt ttgctttgct 120
aataactggt atatcttcag gctatgccc ccaactcgag 160

<210> 1860
<211> 190
<212> DNA
<213> Homo sapiens

<400> 1860
gaattcgagg ccgcgtcgac tataccttca cccaagctct tctctctctt taagtcatcc 60
gtctacaqtc agtcccaccc cacccagctg ctcttctctc tcttctctat acaaaacttg 120
agtgtcatct cctccaagaa gacttttcaa ctctgttaga ccaatgttct tcaaaccttt 180
tttactcgag 190

<210> 1861
<211> 152

<212> DNA

<213> Homo sapiens

<400> 1861

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gaattcgagg ccgcgtcgac tgcctctgca aaactattac tggtagataa gttctttttc 60
attgcttaat tttctctctt gttacagtt acaaagaagt tttttctgag atggacatga 120
tggtcacac atgtagtccc agcttactcg ag                                     152

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<210> 1862

<211> 111

<212> DNA

<213> Homo sapiens

<400> 1862

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gaattcgagg ccgcgtcgac gagtgggcag ctgtgtgttc taaattgggt catgttgggc 60
aaagggctac ttttaaaaat tatgttaaaa gttcttacat atccactcga g                                     111

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<210> 1863

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1863

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gaattcgagg ccgcgtcgac caattcttag caaaggggaa tatcgaatc agattttgaa 60
aaaataagtc atcatgtctt ctaaaataag acagcttctt cctctaaactg ctctctctgc 120
cttggtatct tatctaatca taaaccacgc ttattattc atttcaactc ctgccaaaga 180
catgaggctg gcaactcgag                                     199

```

<210> 1864

<211> 257

<212> DNA

<213> Homo sapiens

<400> 1864

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gaattcgagg ccgtgtcgac attgaaagct agaagaaaag gtgtacttgc aagaaacctc 60
aggacttgag taacagcaac atggtaagtt ttctaagttt tcttttcgtc tccatatac 120
gctgggctgt gctggaatca ccaacaggca cagaaaaaat gacaacaaaa caacaacaaa 180
acccccaga atatcctgtt ctcttttgcc aaagtccagg aaaggggagc cccacagag 240
acccagtaca gctcgag                                     257

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<210> 1865

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1865

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gaattcgagg ccgcgtcgac gacagaaact gagaaaatga cacacttgga gagtttgggc 60
gaattagggtc tgtctctctt gtttagtaca atctcacc ccaatgttccaa agaaatattt 120
atggtggcac tcgag                                     135

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<210> 1866

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1866

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gaattcgagg ccgcgtcgac ccttcccttg cacatagcag gtacactcct acttcattgc 60
tttttgcaat tgcgtttctt ttgtctaca atctcttccc tccagaaatc catgattcct 120
tccctgtctc ctttgagtct ttgctttaac caaatattat cttttcagat aggtcttccc 180
tgctcgag                                     189

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<210> 1867
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1867
 gaattcgagg ccgcgtcgac aacatctgta ggaggcctac cctttactaa ttttcttctt 60
 acttacttag ggggtgtgcc ttgtgattca gttttgttac tttaaaaata attacaaaca 120
 aatctatttt tctcactaaa gtaccaaata aatcagaatc tttcactctt ttaaaacaga 180
 cctttccgta tgtttgtctc ttgtcttttc ttgtctgttc atgcaattcc actcgag 237

<210> 1868
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 1868
 gaattcgagg ccgcgtcgac ctttctttat gttgtgtgta cttctgatgt ctacaccgga 60
 agggctatct atgaacagaa gaaatattat tatgtctttt ttttttgaga tgggtgtctca 120
 ctgtgtcacc cagactggaa ttcagtggca tgatttcagc tcaactgaaac ctctgccacc 180
 agggttcaag cgattctctt ccttcagcat cctgagttagc tgggattaca gatgcctgcc 240
 actgcacacg tttgagcaga ccaattatga ggcaattctc ctaactctgc ttccagaagg 300
 tctcgag 307

<210> 1869
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 1869
 gaattcgagg ccgcgtcgac aaatttaatt tttctttttg ttacttttca tttgcctcta 60
 attttgcttg ctcatatttc tggccaatgt acagcctcat atttttcaga gtaatacaga 120
 tacttgttct cattecgat atgagcacia gtaagggttc agagcaacac acactcgag 179

<210> 1870
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1870
 gaattcgagg ccgcgtcgac cgcctatatga ttttctgtct tttcagcctg tttttcttct 60
 cctcagccac ccttaccttc tgttttttgt tcttttttat tctcattctt ctggctgcat 120
 tctcttctcc agtttcatgt ctccccctct cctcttgcct tgtacccctt ggcctcccaag 180
 ttctctccca accactcgag 200

<210> 1871
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 1871
 gaattcgagg aaagaggcct acaattcttt cgaggactgc gaagagggga aaaaacgacg 60
 agatgaaatt gtacttggct qcagccgtgc taatgtttgt acctgctgta cacacagagg 120
 ccccgaggga actcgag 137

<210> 1872
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 1872

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gaattcgagg ccgcgtcgac cattatctcc ccaccccgaga tttctctctga cttgaattcc 60
tgctactctc tttttgtttg ctctgctctc accctactgg ctgccttctc cctctggttc 120
ttcgcactgc tgtttcctta gccttaaacg ttcttcagcc gcttacacca tgaacctttt 180
catatcctta ctcgag                                     196

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<210> 1873

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1873

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gaattcgagg ccgcgtcgac gcatgagcaa gaaactgctt gctttacaat tggcattttt 60
atttttttaa aataatactg atattttccc cactctcctc ttgtttttta tttttatttg 120
tggatatacc attttattat gaaaatctat tttatttata cacattccct cgag      174

```

<210> 1874

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1874

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gaattcgagg ccgcgtcgac gaagtctgat cactctcagga tggtgaaacc gagttcttct 60
ggagaacata ttggaaataa taaagttatg tgcctgatca gttgtttcgt tactctgtct 120
tttctgttgc tgttggtgag atggagtttc gttcttggtc cccacaagct cgag      174

```

<210> 1875

<211> 106

<212> DNA

<213> Homo sapiens

<400> 1875

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gaattcgagg ccgcgtcgac attttatctc acctacctca aatattttctt ttttttttaa 60
tttaaaaaag atgaaacact tgaccaattt gcgtatcctc ctcgag                                     106

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<210> 1876

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1876

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gaattcgagg ccgcgtcgac tgcctcgaaac gcttccccat attttctatt ggaaaaataa 60
ggtttgtttt ccagtaagat atttcatttt ttaaaaaaat ctgcttctac tcaaggctgg 120
ggttctatctt gtttttaaat gaagcccacc aaacctccca agtgcgaact agatttacct 180
ctggctaact ctgcaaatat gaccaaccaa attcatgtct tttattttat ttattttttt 240
ctcgag                                     246

```

<210> 1877

<211> 236

<212> DNA

<213> Homo sapiens

<400> 1877

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gaattcgagg ccgcgtcgac tattgaaaaa tattatttat aagtacttgc cttatttccct 60
tgaagtctgt ttatttttagg aggatctgtt ttccacaagaa cttaaagagt actaaggaaa 120
gataatttgc ttcccaacac agtgtatcca aaataatttc tgtggaatat taatattgaa 180
ttgtcatgga aaattctaaa ctagaaattt attacacgaa agcaacaaca ctcgag      236

```

<210> 1878

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1878

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gaattcgagg ccgcgtcgac ggctattatt ctcataatttg atagggtttcc ccaagaatta 60
tctgtttcca cagacactgc atagggttcca ttagttgctg tggaaagtga agtaatttat 120
tctaggaact gtgactgtgt gctgtgaaaa gattgcattt tgttaacata atttctacgg 180
cgtttctgtg atggggcctc tcaaatactt cttggacctg tcccttcat ttcttctcca 240
ctgtcttagt tcacaccctt gcctgcactt ccattgtttt agtttgtttt cattcatcca 300
tctgccttat ggctcctga gtgctttttt tgaaacaaac ctgatacttt caattcctgg 360
aacacctgc cacataccac tcgag                                     385

```

<210> 1879

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1879

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gaattcgagg ccgcgtcgac gcctgttata ctccaagtg gagatgttga gtagacagat 60
ggatgtatga atggggcagg gggatccctg aaggaggagg tataaagggtg ggagtcatta 120
acatacagac agtacttgat gtcataagag atgatacagat aattactaag aggcaaaata 180
tagatgagaa aaggattgag ccgtgagcac tcccaccctg aaagtctggg gagttgagaa 240
tgaccacagac tcgag                                     255

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<210> 1880

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1880

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gaattcgagg ccgcgtcgac ttagtgccct ttagtaatat gtttaacta acatgttctt 60
tgtacattgt ttctgtaca acaacgtatt tggccctaaa ctgcatgggt cagtttagaa 120
cacacatcca tcattgaaga tacaagcagt atgatggagg cgctctcgag 170

```

<210> 1881

<211> 647

<212> DNA

<213> Homo sapiens

<400> 1881

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gaattcgagg ccgcgtcgac agattgacca cattgatcac aatatgggag tctggagaac 60
ggttaccatc ctcagcagcc tctctacta caccaacttc atcttcgaca cctctgtgg 120
cttcagtagt ttcaaaagggt ggcttttcca ctggagtgtc ttcacttagc tctacaatca 180
acctatgttg acatttatcc agaacaqctg gggatcaacc gtttaacctg tccacagtgt 240
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attcagaatt tgggtqattg gggacacttg ctacacccac agccttagcc gacatcccc 360
aactagcacc tttccaggt gcagaatggg ggogaacaa tgatgtctat actcgtacag 420
gagcaacctt ctctccacca ttactgggaa tccaccact atttgcctcc ccagcccaga 480
atcatgatcc ctctcattc cattcaagga ctctgggaaa aagtaatcga atttgtccc 540
aaaaagggtt aaatgggtta ataaaggaa gtaatactc atctgnaatt ggtatcaaca 600
catctgtact atccactact gcttcaagggt ccattgggact cctcgag 647

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<210> 1882

<211> 545

<212> DNA

<213> Homo sapiens

<400> 1882

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gaattcgagg ccgcgtcgac ctggagaaaa accttcataa gcagaatcag agaaaaactt 60
ctggacattg tactgctttt aggagttcat agcttccaa atttgataaa ctaaaaatcc 120

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```

aagctctacc tggtaggcag cctgtgggtg tggtcagaga aagctttaat cataagtagg 180
gtgattggta gaactccttt cctcctaalg ttctctttaa ctgectgaag tttttcaatt 240
tactttttca tagtacccca aattctacta gagataagtt tgtgggaaga gtgccaaata 300
gaaggtagag tacaagtaga aggcaaggag gtagcatatg tatctggaaa acagtaaata 360
aatcagtgea tgtaactgaa aaatataacg tcagccacac tgcctcccaa aactgtattt 420
ccagcgttct cctggacctt ctgggcactt ctaattgctt attattatta ttttcagaaa 480
gtgtctcact ctgatgcagt ggcgcgattt ccgctcacca caaccttcac caaccaggc 540
tcgag 545

```

<210> 1883

<211> 175

<212> DNA

<213> Homo sapiens

<400> 1883

```

gaattcgagg ccgcgtcgac tgagtccttt ggtaacgggc ataatactca caaggaaata 60
aatattcagt tccatggcat ttgcaagaca catgttcttt aggacagta atattatgac 120
acatctgttt tattttgtta ctaaggcagc ctatgtttaa gggctctgct tcgag 175

```

<210> 1884

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1884

```

gaattcgagg ccgcgtcgac cctgtgattt ctcaccagct tcctttccac ataggccgct 60
gcttctcttc ttccaagggt ttcccccgtt ttgctctct ggaggttgta tcttgggtgt 120
taggagactg ggttcgggac acattcccca cagaaggata gcaggacctt agaagatctt 180
tttctttctt tctctgggtt cctcttggtt gcaagagggg tgaataggat ggtctctaaa 240
atcctgttgt tttcttgggt tatattaacc caggccataa tgataagaac ctgctctgaa 300
ttcacaacat gtatttatac aacagcaazg ctcgag 336

```

<210> 1885

<211> 536

<212> DNA

<213> Homo sapiens

<400> 1885

```

gaattcgagg gcgcgtcgac aaggcatcca aaagatagggt aaatccctac tggactttgc 60
tggtgtcttt gttgcatagt taccgtggag taagtaatcc tagttattta tatatattta 120
tcatttaact gcttgccttc cccacaatgg aaccactttt tatgtccata atcctatttt 180
caccaataat ggggggtccag cttcaatacc aagtgtttaa acagattcaa cagttagcca 240
cgctaactaa cttaacttct tgttacattt gtacctcagg atcactatca gctgaagttt 300
taccattacc attagaagat atagtcaggg tcaatgccag agtcactgtt gccacccagt 360
cagaagttac atatcccagt ccagctgtgg aaagcttatt cctaacagtc ttatctcaga 420
tcataagaaa caacccaaat ttaattttta caaatgcccc aaatccgtga agggtttttc 480
acaacctaac ctcagacagc caattcccaa ttgttttcac tcccaccat ctcgag 536

```

<210> 1886

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1886

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gaattcgagg ccgcgtcgac cacagaaatg cagggaacct tgcctttctc aggcctctgc 60
ttctgtctga gcctcttttg agctgtgact cagaaaacca aaacttcttg tgctaagtgc 120
ccccaaaatg ctctctgtgt caataacatt cactgcacct gcaaccatgg atatacttct 180
ggatctgggc agaaactatt cacattcttc ttggagacat gtaacgacat taatgaatgt 240
acaccacctt atagtggtata ttgtggattt aacgtgtgtt gttacaatgt cgaaggaggt 300
ttctactgtc aatgtgtctc aggatataga ctgcattctg ggaatguaca attcagtaat 360

```

tccaatgaga acacctgtca ggacaccacc tccccaatgg caaccctcga g 411

<210> 1887

<211> 130

<212> DNA

<213> Homo sapiens

<400> 1887

gaattcgagg ccgcgtcgac gtgtgtgttag gatgcacaaa aaaaacccca gggtcagggt 60
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgttagga tgcacacac aaaccccggt 120
gacgtcgag 130

<210> 1888

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1888

gaattcgagg ccgcgtcgac taaacggcct cctgtgtgtt tcatggccat ggtectttct 60
gcctgtgttt tttctttttt ttctcaaccg tctctttctt ggctccctta tttctctgtc 120
tgctcccggt tccctctttt gccttgggtg tttctctctt gccgtccgt ccacacgctt 180
cccggtttcc tgcgcgcccc gggcattgcc acaggggaagt accacgccc ggtgtctacc 240
aacagcgttg agtgggaggc cgcctgtgtg aaggcgggca ggaaagtgtg ggacctgggtg 300
caccgcttg tctactgcc cagagctgcac ttcagcgagt tcacctcagc tgtggcgagg 360
atgaagaact cagtggcggg aggtttggag cctcgaacct ggagcctgcc acatgggtgg 420
agccgggcag gcgagaccc gccttcaggg tgcctgtgtca cccagggagc tggggccccc 480
cagaagcaac tcgag 495

<210> 1889

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1889

gaattcgagg ccgcgtcgac gccttgacac acctatagaa tgggtggagag aaaagaatgg 60
tcccttttgt tcccggtta ttatcgtatt agacagcgaa aattcaacc cttgggtgaa 120
agaagtgagg aaaattaatg accagtatat tgcagtcaa ggagcagagt tgataaaaac 180
agtagatatt gaagaagctg acccgccaca gctaggtgac ttacaaaag actgggtaga 240
atataactgc aactccagta ataacatctg ctggactgaa aagggaagca cagtgaagc 300
agtatatggt gtgtcaaaac ggtggagtga ctacactctg catttgccaa caggaagctc 360
gag 363

<210> 1890

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1890

gaattcgagg ccgcgtcgac gcagacgatt tggagttacc tagattgtga acgatcttgt 60
gaagctgaca ttttaagaa caccagttat aagggtattt tccagttat gtgcagttaa 120
agttgtgtgt tttatttcca taaaatttgc tggaaaaggt tcaagaattt aaagtatcca 180
ggtgaaaatg atcaggtatt atattcgttc ttaaaactac aacagcattt ctctctctac 240
ccttctctct tttgttctct tcccacgtt ttcttctgtt tctaaacttc cctctctgtt 300
tttacttctt ccttttttct tttttcttta acttctctct tggttcttct ccaatctctc 360
gag 363

<210> 1891

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1891

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gaattcgagg ccgcgtcgac gtcggaggag aaggaaggga aggggcatca cagggcaaag 60
gctgggaggg ttcaagtctc aagataqaga ggccacggcc agctgctcac ccaagagaa 120
agcactttta actctagagg tacccaacag gcaatataag atggatatta aggtcgtaga 180
ctctagagac aattggaact gaagtctaaa cagctagcag gaacttagac aagtcaatta 240
atcattctaa gcttctctcc ttgtctgcag aatggaatag taatagcctc atcatagtgt 300
tactgtgaaa ggtaaatgtt tataacatgc ttactaaaat gctgttttt atagtaagtg 360
ctcaataact agaagctatt actcattcat gtattcaata catattactg agtgettatc 420
tcgag 425

```

<210> 1892

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1892

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gaattcgagg ccgcgtcgac cctaaaccgt cgattgaatt ctataacagt gcaataaggg 60
aaataacatg caggatatct actttattat ttctctacac ctttcatggg ggtgggggct 120
acagatgggtg cctcactgtt gcatgacatg tccgggagtg gctgatgttg cctgttggac 180
tgaaacctgt gtggtatttg agacacactc ccaccccatc aggcctctgt gcacctacc 240
tggtaccaga ccaccacagg acatcaggga agtttgcttg agaccccaag tgcgcagtct 300
cgag 304

```

<210> 1893

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1893

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gaattcgagg ccgcgtcgac ccgtctccca catcctttct gagtggatgc gcttgtcttt 60
ctgcttgaac tctagtctga tttctctctg gctgggggta ggggagctct aactgctgac 120
agagaatgag gaattttcca cccacacccc cccacttctt gttcttgaat gctgctgtcg 180
ggctgcttgg gccaggctct atggggccca gctggaggct tccctcgag 229

```

<210> 1894

<211> 437

<212> DNA

<213> Homo sapiens

<400> 1894

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gaattcgagg ccgcgtcgac cctgcccag cctgttttat acacaccccc tttatatagg 60
ttgtcccttc tatgtccttc ctccctttt ccttttcate ttgggttcaa aatcatttgg 120
ctatgagcaa gttataacta taactggacc tgacttttgg caatattcac aactatttag 180
gagttcttgc aaagacagaa aaatcaacct acaagtgtgt ttcaaaatac tactcatttt 240
ctttagttag cattccacgt ttttagacat ttaattaaat atttatgttc aatttgggtt 300
cgtttgtttg ttgttgtttt ttttgagac aatgtctctc tctgttgcct aggttggagg 360
gcagtggtaa gatcatggct cactgcagcc ttgaacctcc aggttccage aatcctccca 420
cttcagccac gctcgag 437

```

<210> 1895

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1895

```

gaattcgagg ccgcgtcgac gtaactaaat acctctttac ttcactgcta tttataaggt 60
cccttttggg tttgttttat taataatcat ctagaattca aataaatgca tatgccactc 120
ttgccacccc ttctcagcat agtaactaga gtaactagca gacagtcag acaagagaaa 180
gaaataaagg gcattccaat cggtaaaag gaagtcaaac tgtcagtgtt tgccgactat 240
atgatcattt accttcaaaa ccttaaggat aacctcgag 279

```

<210> 1896
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 1896
 gaatttcgagg ccgcgtcgac aggaaccaca gcaatgaatg gctttgcata cttgcttcga 60
 agaaaccaat ttatcctcct ggtactatct cttttgcaaa ttcagagtct gggctctggat 120
 attgatagcc gtectaccgc tgaagtctgt gccacacaca caatttcacc aggacccaaa 180
 ggagatgatg gtgaaaaagg agatccagga gaagagggaa agcatggcaa agtgggacac 240
 atggggctcg ag 252

<210> 1897
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1897
 gaatttcgagg ccgcgtcgac cctgtcctgt gctaggtctt taacgtcctt cccagatgtt 60
 atgtcccttc ccttggtggc tgctgcttct tgccacattt taccttgcgc ttcgcacca 120
 tctcgag 127

<210> 1898
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1898
 gaatttcgagg ccgcgtcgac aaataaacia cttagttaact cttagatttc agaaatgctt 60
 tttaggatgg tcacttgtgt ttggggacaa atggcaagca gttattttct gagaggtagt 120
 gaacatggcg attccactca ctggctgggt gggctccttc ttcctcttcc ttcgcgagag 180
 agccccctgt tgagctctgg cttggccctt gaagtgtctc cggctgccc ggggaacttt 240
 ccttgggggt cactgtctga ttgttcaaat ggcagccag cagccgcgtc aacacctgtc 300
 cctcacacac acgtctgctg tcacctcttg cagctgcgtc tgcccccgc ccacacacac 360
 actgctcttc acctctgccc actaatctgg ctccctcccc tgagcccttc ctccctgacc 420
 tgaccagggg tccctctcga g 441

<210> 1899
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 1899
 gaatttcgagg ccgcgtcgac gttgaattct agcgtctgtg gagaagaaaag tcaaaagatt 60
 atcagaactt tgaggccttt ggttgcatac ggagttctat ggatatagat tttttgttgc 120
 ttggtttctc tcagtctaa gataataaaa aatgataact aacatataca tagcacaatg 180
 cctggcattt tcaacatgtt ttcacatcac tgagatatat aacttgccaa gccatcttag 240
 gtatacagtt acagtaqtcc tctaccttat ctggttctag ttaccacacg tcaaccacag 300
 tccggaactc gag 313

<210> 1900
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1900
 gaatttcgagg ccgcgtcgac accgtcgatt gaattctaga cctgcctcga tccatccgcc 60
 caccacacac attcttattt tgctgcctag gtcttctctc tcaatttttt taaaaaaaaa 120
 ttgtattaga atatgcataa cataaaaagt accattttta ccatcatggg cctttgtttg 180
 ttgtttgtt ttgtttgttg ttgagacag agtcttgcct taccacccac gctcgag 237

<210> 1901
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 1901
 gaattcgagg cgcgctcgac gtgcatttgg tatacaccac gggggccctg gaaccaagac 60
 cccctctctc tgccttgcct actggtctgt gtgactctta ggagctctcc tacttgctcg 120
 gggggctctt cccagctctc ttgtctgttt catcctttgc tctgctcttt aatgttagcc 180
 agcatccagg gctcattctt ggggtccctt ctattctctc tacacatgaa cccgtggggt 240
 ctctcccagt cccgtggtgt aaataccagc tataggccta tgacttccca gtctcaatct 300
 ccagccagac tcgag 315

<210> 1902
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1902
 gaattcgagg cgcgctcgac gtgagaatca cttgaacctg ggagacagaa gttgaagtga 60
 ccccagatca caccactgca ctccagcctg ggcaacgagc aaaactccat ctcagaaaaa 120
 aagattgggg atttaatttt cgttaggctt tacgtcttta gaagataaga tctagttctt 180
 tttttctgtt cttttaacat ttatgtttta aatatacaag gaatgcagaa tgcattatta 240
 tgcctgtttt atgcagtttt atctttttag tgccttagat gcacttctga ccccatccct 300
 cgag 304

<210> 1903
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 1903
 gaattcgagg aaagaggcct aattttaaag aacacaaaac tattaatgat taatatgtta 60
 aaatgtacaa tggatgttaa atactttctt tgacttaatt actgctttga actttattaa 120
 tgtatgattt ttgtaggcat ttttgggtga tcttttaact agtattttaa atttaacgaa 180
 ttcttaggtg gctgtgtctg taatggatac ccagggtgct ttgtatagcc agtcaacct 240
 taaagactgt gcgacagtgt ttgtcttgag cactatgacc agctctgtgc aggtatatata 300
 ttgtctctag aatattcaag aagatgatct tcaacatcta cagttattta cagagttgct 360
 cgag 364

<210> 1904
 <211> 500
 <212> DNA
 <213> Mus musculus

<400> 1904
 gaattcgagg aaagaggcct agggaggaaa gtttcatacag cctcttggtg ctctactgag 60
 ttctggctgc cactccaaat gctattatct tcaattggtga aatatccatg tatttcataa 120
 agtcaacaaa ggagtccttg atggttgagg agaaaatgat cctgacaggg gattgttget 180
 acctgagccc cttaactcga aggatcaca ggttcatacag ggtattttga ttgggtcttt 240
 ttgtactga cttttttgta aacggggggc aagtctgtac tggtcacctt acaccatact 300
 tctgacagt gtgccagcca aactataaca gtacagactg ccgggcacac caacagttca 360
 tcaacaattg caacatctgc actgggggac tgggaagtga agaaaaagct cggaggtcct 420
 tttccctcaa acatgtgtgt ctgagcattt actccgcctt atatgccacg atgtaacata 480
 caagcacaat caaactcgag 500

<210> 1905
 <211> 514
 <212> DNA
 <213> Mus musculus

<400> 1905

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gaattcggcc aaagaggcct atttcacat ggagctctcg cggcggatct gtctcgtgca 60
actgtggctg ctgctcctat cgttcttact gggcttcagc gcgggatctg ccctccactg 120
gcgggaaccc gaaggcaagg aagtatggga ttatgtgact gtccgaaagg atgcccacat 180
gttctgggtg ctctattatg ccaccaaccc ttgcaagaac ttttcagagc tgcccttggg 240
catgtggctt caggggtggc cgggtgggtt tagcactgga ttgggaaact ttgaggaaat 300
tgccctctt gacacccaac tcaagcctcg aaataccacc tggctgcagt gggccagtct 360
cctgtttgtg gataatcccg tgggcacggg cttcagctac gtcaacacaa cagatgcta 420
cgcaaggac ctggacacgg tggcttcga catgatggtt ctctgaaat ccttctttga 480
ttgccataaa gaattccaga cggttcaact cgag 514

```

<210> 1906

<211> 444

<212> DNA

<213> Xenopus sp.

<400> 1906

```

gaattcggac tactacaggt ggcctacacg ctttttctta gcctgaagat ctctgtgtgc 60
atgatgagtc ttaagacggg gggatgacca tttttatcca gtttggtaca tggaaatcgt 120
accagcgatt ttgaacgcac gtctgtgagg tggaaaccaga aggcgtgttg aactgtggga 180
ttgggtgttc caaagaatga gagtctttgg tatgagcgag aacaagagcg tatgcagaga 240
ccgggtgggtg attttggaan actaagtgtt caatgtgtct ctcaatccag tggcaatgat 300
gagcgtgtgc agagagcaat gggagcaagt aacgtacgaa tgtttcttgc attcaaagga 360
ctttagctta tttgaaagac tgaggctaaa tctattgttc tgaaacagtt tgtacattta 420
ttttcagcct gccctaaact cgag 444

```

<210> 1907

<211> 337

<212> DNA

<213> Xenopus sp.

<400> 1907

```

gaattcggac tactacaggt gggaaaagca gaagtatctg gaagagaaaa tgacacaaag 60
tgtcttatcc aagattatca aaaccggata tgcagcactc caactggagt acttcttcac 120
cgccggcccc gatgaagtac gcgcctggac tategagaaa gggacaaagg ctcttcaggc 180
tgcaggcaag atccacacag atttcagaaa ggggttttat atggcggaag taatgaaatt 240
tgacgatttc aaagaagaag gcacagaggg atctgtcaag gctgcaggaa aatacagaca 300
acaaggcaaa aattacacag tagaagacga cctcgag 337

```

<210> 1908

<211> 352

<212> DNA

<213> Xenopus sp.

<400> 1908

```

gaattcggac tactacaggt gcaatcacag gttgggcaga ataacaatgt ctggaacaag 60
gaaagtggac tcattactgc tactggteat acctggactg gtgcttctct tattacccaa 120
tgcttactgt gcttcgtgtg agcctgtgag gattcccatg tgcaaatcta tgccatggaa 180
catgaccaa atgcccaccc atctccacca cagcactcaa gccaatgcca acttaccgat 240
tgaacagttt gaaggtttgc tgaacactga atgtagccag gaccttttgt ccttctgtgt 300
tgccatgtat gcccctattt gtaccatcga tttccagcac gaaccactcg ag 352

```

<210> 1909

<211> 261

<212> DNA

<213> Xenopus sp.

<400> 1909

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gaattcggac tactacaggt gcttatgact attatggcta tgacgattac tatgattata 60
atggctacga ttaccataat taccgtgggt gatagatga tctttcttat ggttacgaag 120

```

actttcaagt cggagctaga ggcaggggtg gtagaggagc aaggggtgct gctccatcca 180
 gaggtcgagg ggctgttctt ccccggtggc gagccggta ttcacagaga ggaggcccag 240
 gatcagcaag aggtgctcga g 261

<210> 1910
 <211> 408
 <212> DNA
 <213> Xenopus sp.

<400> 1910
 gaattcggac tactacaggt ggtgggttgc gcatggagct tgaagagttc gagcgtata 60
 attcccagag tcgcctactg agctctccgg taccggagat atgtcggact gaggactgct 120
 gccctgggat agatgaggcc ggacggggac ccgtgttggg tcttatgggt tatggaatct 180
 gctactgtcc tgtggcccga aagaaggacc tccaagattc aaagggtggc gactccaaga 240
 cactgagtga agctgatagg gaacgactgt ttgagaaatt aaatgggtct tcagattaca 300
 tcggctgggc cttgcataa ctgtaccaca atatcatttc caccagcag cagcagaggg 360
 caaaatacaa cctgaatgct ttatcccatg acaccggcga gactcgag 408

<210> 1911
 <211> 444
 <212> DNA
 <213> Xenopus sp.

<400> 1911
 gaattcggac tactacaggt ggagtcagac accatgggtga agattgcgtt cagttcgccc 60
 ttccgggcca aaaaacctag caaggacgtc gaggtcttgg tggcagaaac ggatactgag 120
 gttgcagctc aagggaactga aaattcaact ggaagatgcc tgcttacct gttgggcctt 180
 gctttcatct tagctggact aatagttggg ggtgcttcta tctataaata ctttatgccc 240
 aggcacaagc tctatgaagg agtaatgtct tatccgagc agcatgatct tgttgaggag 300
 ccttattacc ttcctgtctc agaagaagcc gatatccgag aagatgacaa tattgcactt 360
 ataactgttc ctgtaccaaa ctttgacaga agtgatccag cagcgatact tcatgatttt 420
 gataaacttc tgacagacct cgag 444

<210> 1912
 <211> 349
 <212> DNA
 <213> Xenopus sp.

<400> 1912
 gaattcggac tactacaggt gcgagatata gctgaaaatg cggtaacctta gtgcagctgg 60
 gctgcttgtg ctctctgtat gttctctatt tcttactcca gggctctgcc acacaggact 120
 tggtcgagga tttggggatc atatccattg gagaactctg gatgatggga agaaggaagc 180
 agctgctagc ggcttacctc ttatgctagt gatccacaag acatgggtgc gagcatgcaa 240
 agcattaaag ccaaaatttg cagagagcaa ggagatttca gaactgtcgc ataactttgt 300
 gatggtaaac ttggaggatg aggaggaacc aaaagatgat gccctcgag 349

<210> 1913
 <211> 282
 <212> DNA
 <213> Xenopus sp.

<400> 1913
 gaattcggac tactacaggt gtgagaagtc aacatggcag agttgtggct atcactttct 60
 tgcattgtct ccttgettet actgacaaat tcatctccac ttaccttcca ggaaagaatg 120
 ctccttaaaag ccttgggggt gaacaccaga ccaaacccca ttgctccagc tctgtacct 180
 aaatctttta gagacatttt tgagaagggg ataaaccagg acaatccctg catgatggaa 240
 ggtttcggag tacctggaaa tatgttcgcg attccactcg ag 282

<210> 1914
 <211> 450

<212> DNA

<213> *Xenopus* sp.

<400> 1914

```

gaattcccat agcaacaaac agtagaggat gttgcagttt cgacctctca gaaacgcaca 60
agttctgcaa cactgaacca gccagctagc actccacagg gcccaaagtc ttttatggaa 120
gtaaacaatg acagaatgca tctgatttta ggcatcagca ttcagttctt ctgtgcacca 180
cgacctgagg aacctattga acatgtgact gcgtgtcttc aggcctttaca tatactgctg 240
gaggtctccat tttccagaag tcatattgca gaagaccagg ttattggagt ggagcctttc 300
aatgtcctcc atcgcccttc cttaacttgg gatacctctt ctgtgcaact gctggtgact 360
actgtagttc aacagatagt gagggctgct caacacaata tacaggagca aagaaatgct 420
caaaataaag atgacacaag cgaactcgag                                     450

```

<210> 1915

<211> 125

<212> DNA

<213> *Xenopus* sp.

<400> 1915

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtagttc ccatagcaac 60
aaacagtaat tcccatagca acaaacagta attcccctag caacaaacag tatggcgggc 120
tcgag                                             125

```

<210> 1916

<211> 461

<212> DNA

<213> *Xenopus* sp.

<400> 1916

```

gaattcccat agcaacaaac agtaggagaa agaagtgcac cactaacaag accaactgac 60
agatcgttgg gccctattcc aatctcgcca actcaaggat gaagtgcatt gttctctctg 120
tgggtttgctt ctctatcgga tgggttccact ccaacccccac aaaaaaagtt aacattgcaa 180
aattttggaga agcctcacag agctcagatt acagacctga gtacaatgct gctgctgcta 240
tcgatgggtga tagagactca aatatgatgg cgggttccatg ctcccttact ggtaacgaca 300
agccatcttg gtggcagttg aacctaaagc acaggtacaa agtggagaag gtgggtgatag 360
tgaacagagg agactgctgc agtgagcgcc ttttggggag ccagatccgt gttggattca 420
cagccaatct gaagaaccca ctatgtggca cccacctcga g                                     461

```

<210> 1917

<211> 446

<212> DNA

<213> *Xenopus* sp.

<400> 1917

```

gaattcccat agcaacaaac agtagggtaa ccaaggcacg gaagtctggg gaattgaaagt 60
ctgaagggaac actgtttacca atattaaaac agtcaatttc ctccagcctt aacaattatt 120
tttatcattt aacaaattgt cagacgaana ctattacaaa cgtggactaa aguagcagaa 180
acgtgactct ttttttgaa gcccagcctg caatgaagca tcaacatatt ctagtcttat 240
ttttgcttcc tatggcggtg attagttttt ttttctctcg caggattggt aagattctca 300
catttatata ttggaagtc aattgcggagg aggtgacaaa agaagaaaca gaacttcada 360
aagaagtgaa aacaattctt aatgaagttag acagttcaat ttcgaagatc agcttctctc 420
actttgataa cacaacagtc ctcgag                                     446

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<210> 1918

<211> 261

<212> DNA

<213> *Xenopus* sp.

<400> 1918

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gaattcccat agcaacaaac agtacttggg ggtctcgagg cctttaggca gttccagatc 60

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```

atcttcagtt cggccagcgt gtgaatattc tgaaccaaga acttagcaga gggccccctcg 120
ggggagttgg ataaccacat atacaggtec tgettcctct tggcttcaaa atagatgcac 180
ttattacagt tcttcatttc acagacctca ttaccacaa acagcttgte cttacggtec 240
atcttcggtt ctgctctega g                                     261

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<210> 1919

<211> 383

<212> DNA

<213> *Xenopus* sp.

<400> 1919

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gaattcccat agcaacaaac agtagagagg gaccacattt actcccatct actcctctgg 60
ctgattcctc tacctgtgac tttaaggaaa gagcaagttc tccataagga aggaacatgg 120
agcctctccc actctctctc ctgttcccat tggcagttgt ccatcttgag cggggcaaatt 180
ctcaagaggg agttcagagc cgcattgttg gaggacacga tgccttcaaag ggaatgttcc 240
cgtggcaggt cagcctgagg taccaaaata aacacgcgtg tgggtgcgact ctcacagct 300
caaactatat cctgacagct gcacactget tccccctcaga ccacataatg agtgattact 360
ccgtaaacct gggggctctc gag                                     383

```

<210> 1920

<211> 478

<212> DNA

<213> *Xenopus* sp.

<400> 1920

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gaattcccat agcaacaaac agtagccaga caagttgggc tcaggttgta cagacaaaat 60
ggcagagaaa gggctcttcgg ggatgggtgac ctccattgtg ttgggaata ttgttatatt 120
gctctctggc cttgcgctgt ttgcagagac aatctgggca accaccgacc cctacaaggt 180
ctatectatt ctgggggtga ctgggaaaga tgacgttttt gccggcggtt ggattgccat 240
attctgtgga ttctcattct ttatacttgg agtctttggc atcctcgcag tgcagagagg 300
gagtcgcact atgggtctga cgtacttggg gctgatgatg atcgtctata tatttgaatg 360
cgctctctgt atcacttctt tcacacacag agattacatg atcaactcca atgtgattaa 420
gggtcagatg ttgacgtact actcagacag cagcaccccc caggggaaggg agtcagag 478

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<210> 1921

<211> 360

<212> DNA

<213> *Xenopus* sp.

<400> 1921

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gaattcccat agcaacaaac agtaccata gcaacaaaca gtaacaaaca gtagtcaaaa 60
atgcttgatc tggaaaatct gagcggtaaa attaatcttc ttacttgagc tacactattg 120
tgctctgccc agtataaaac gatggggacg tgetgccttt gagttcattt ctctacctga 180
ggaaaccact acttcaccgt tgtttttaag tctctcgatc atgatttaat ttgattggac 240
acttggtaga ttaaggagat gcaggatctt ccaactgcac aggcattgtt catgatattc 300
tgctgtgtct gaaactgttg cattcatgat ctccatttta taagagttct tatgtcagag 360

```

<210> 1922

<211> 335

<212> DNA

<213> *Xenopus* sp.

<400> 1922

```

gaattcccat agcaacaaac agtacag'ga gcatgtctga tcaggaagcg aaacatctta 60
gcgaggatct aggagacaaa aaagatggag gggattatat caaactcaaa gtcattggac 120
aggacagcag tgaaattcac ttcaaggtag agatgacaa gcattctcaa aagctgaaag 180
agtcatactg tcagagacag ggcgttccaa tgaattctct cagggttttg ttggaagggc 240
aaagaatctc agatcaccag actcctaaag agctcgggaat ggaggaagag gatgtatttg 300
aagtttatca ggaacagact gtgggtccac tcagag                                     335

```

<210> 1923
 <211> 221
 <212> DNA
 <213> *Xenopus* sp.

<400> 1923
 gaattcccat agcaacaaac agtacgatca ggagaaagaa gcgattatc ggcgagcgg 60
 tcgagctttt cccgatttcc ctteccctgg gatctgtttt agagatatta ctctgtcct 120
 taaagacct ttggctttct gctctgccat tgatctcttc gagagacacc tgagggcaaa 180
 ttttccaaag attgatgta ttgctgggc tgattctga g 221

<210> 1924
 <211> 358
 <212> DNA
 <213> *Xenopus* sp.

<400> 1924
 gaattcccat agcaacaaac agtacaaaaa gttcttatgg gaagcaaaac aaaaaactgt 60
 atactgtatt ataataaaaa aaaaaagagg ttattttggg acagtatagt gttaaaataa 120
 gcaaaataag atttcagtat taaacttgag atttctagta ttttttatct gacaaatgac 180
 tttaatcttt tcatctctgg ttatatgggt gccctcccc cccttaccac agtggtatat 240
 tatatattat tatttttctt ctactgctgt aaatttatgt tgtgggatgt taacagcaga 300
 gagaggggtc ggcaagtggg gttcttctcc tactaacca gtgcacagac ccttcag 358

<210> 1925
 <211> 175
 <212> DNA
 <213> *Xenopus* sp.

<400> 1925
 gaattcccat agcaacaaac agtaagcggc tgcagcttta gtggaggagg agacgagaag 60
 atatcgacct acgaagaact acctgagtta ttgcccacc ccagactatt ccgcatttga 120
 gactgaaatc atgaggaacg agtttgaaag actttcggcg cgcagcccc tcgag 175

<210> 1926
 <211> 472
 <212> DNA
 <213> *Xenopus* sp.

<400> 1926
 gaattcccat agcaacaaac agtactcagg gaggacagaa gtgactcaga aaatgaagga 60
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 ctgtgggttg gccctggcgg ccgagtgcct ctctcttggt tcagaccaga gtggcatcta 180
 cccgctgctg gaggtactg acaacgatga cataattggc gccgcatgga ttggcatctt 240
 tgccggatct tgtctctctg tcttgcttat cgtcgggata attggcatca tgaagtggaa 300
 caggagaatg ctgatgggtt atctcctctt gatgtcatt gtgtatgcc tgaagtggc 360
 ctctgccatc actgctgcaa ctcaacaaaa tttttcatt ccagagctct tcttgaaaca 420
 gatgctagaa ctttaccaaa atcccaaccc aatcaacaat gacaacctcg ag 472

<210> 1927
 <211> 530
 <212> DNA
 <213> *Xenopus* sp.

<400> 1927
 gaattcccat agcaacaaac agtataacgg ggacctctgc ttacgttggg ttaaatcatg 60
 aacaaacgtc cgcactttt gtgccttggc ctatgggtta cctgcacatt aagcaaaccc 120
 acagagaaga ggatctgtgt catcatgaat ctcagcttag tggtaaagtt catgatgatg 180
 cacaaaattt tgactatgac catgatgctt ttctgggtgc cgaggatgca aaaacatttg 240
 atcagctaac acctgaagag agcaaggaga gactgggaat gatgttaggt aagataaact 300

tggataatga tgggtatgtg acggaggggg aactgactgc atggatcaag aaagcccaaa 360
 agaagtatgt gtacgacaac gttgagcggc agtggcagga gtttgacctg agccaggatg 420
 gactcgtatc gtgggatgag tacagaaatg tcacctatgg caettacctg gatgatcagg 480
 atccagacaa tagcttcaat tacaacaaa tgatgatgaa gaggcctcgag 530

<210> 1928

<211> 479

<212> DNA

<213> Xenopus sp.

<400> 1928

gaattcccat agcaacaaac agtaggaaga tgcctctcgt tacagctctg aggcctgggg 60
 cagcgtcaat gtgcctcgtc ctgggtggcg aagtcacagag tcaaggatgc aaatgtagaa 120
 cgcactacat gggtaaatgc gataacagcg gtgcattctc agattgtcag tgtacctca 180
 ccataggggc cgattcccaa cctgtgaact gtcacaaatt aattccctaaa tgttggtga 240
 tgaagagaga gagccttggg acaaaggcag gtgcagagt taaaccagca caagcaetta 300
 ttgacaacga tggactgtac aatccagagt gtgatactaa tggggtgttt agggcccggc 360
 agtgcaacaa tactgacacc tgcctggtgtg tcaataccgc cggggtcaga agaaccgaca 420
 aaggggacaa aaactggaag tgcccggagc tggtcagaac taactgggtg attctcgag 479

<210> 1929

<211> 345

<212> DNA

<213> Xenopus sp.

<400> 1929

gaattcccat agcaacaaac agtaatcagc atgcagctcc tgtggatcac cgctgtgcta 60
 cttctcatct ctgggtgccat agctcagaat acttccctgg cagatggggg tcttactcca 120
 cttagtacat ctgtgataat tgcatttcca ggatgcaaag actccggaaa gactgttaac 180
 ctgatecgtag caaatggcac aactactgta caaaatatatt cctccagggt accacagtgc 240
 cgccttaaac gagatgttgt tgtgactaat aattcacagt ctggtaatgt gcagactgtg 300
 aatgtgggct atcaaataca aaacctacaa ccagggtgacc tcgag 345

<210> 1930

<211> 324

<212> DNA

<213> Xenopus sp.

<400> 1930

gaattcccat agcaacaaac agtagaagaa cagtacgaag tgtgtgcttc tgggaacaga 60
 gacatcatga gtctacagtg gacggctgtc gcaacctttc tgtatgtgga agtgttttta 120
 gtgttgcctg tgtgcattcc ctteatttcc cccacaagat ggcagaaaat ctccaatct 180
 cgcctggctc aattgttagt gtcatatggg aacacgttct tctcgtctct gatagtgaat 240
 ctgggtgctgt tattactaga tgcacttggg gaaatccagg aatatggagt cggggagcag 300
 gtggatctta agaataacct cgag 324

<210> 1931

<211> 328

<212> DNA

<213> Xenopus sp.

<400> 1931

gaattcccat agcaacaaac agtacaagag cgtgtgtctt tggcttatgg tcaacatggt 60
 ggaagctgac cgcacaggca aactgtttat tgggtggctg aacacggaga ctaatgagaa 120
 ggcctctggg gcctgtgtct gaaatatagg acgtgtgggt gaagttcttt taatgaaaga 180
 cagagagaca aacaagtcaa gaggccttgc ctctgttaac ttgaaagcc ctgcggatgc 240
 caaagatgca gctagagaat tgaatggaaa ggcactggat ggcaaaccta ttaagggtga 300
 gcaagcaaca aaacctcttg aactcgag 328

<210> 1932

<211> 403
 <212> DNA
 <213> Xenopus sp.

<400> 1932
 gaattcccat agcaacaaac agtactggga aggggttagt aacatcagcc ggcatatcgc 60
 tacgaatatg agacgctata gcttcgtccc ttacttttac cggcggtact ttttcattgc 120
 actgataatg tgcgttttca ctccagtaaa aagtgaata attaccttag agagtggcaa 180
 tatagatgac attttaagaa atgctgatgc tgccttagtg aatttctatg ctgactgggtg 240
 ccgattcagt caaatgctgc acctatatt tgaagaagca tctaataaa tacaagaaga 300
 atatectgat aaaaataaag ttgtttttgc aagagtggac tgtgatcaac actctgaaat 360
 agcacaaga tacaggatca gtaaatatcc tacactactc gag 403

<210> 1933
 <211> 280
 <212> DNA
 <213> Xenopus sp.

<400> 1933
 gaattcccat agcaacaaca gtaacaacac aagccctaca ggaagagaga tgggtacagt 60
 ttggccctgg atatgcctag ttttacaggt ttcttggact tccccatgc actttaggaa 120
 gcataatgaa ctacattgc tgagaaacaa agtggaaagc catggagatc ccaataactt 180
 catcaacaa agcagagcag atactccctt taaggaaaga gtgggcacct tcccgagat 240
 gactgggtgg agacgtagca acagacagaa cacactcgag 280

<210> 1934
 <211> 338
 <212> DNA
 <213> Xenopus sp.

<400> 1934
 gaattcccat agcaacaaac agtaaagaat aggagggcagc actgacactg gtaaacacat 60
 caaagagcat gattactaca ctctactgg agagtctcgt gtggatagag aaggatcccc 120
 cgttctgctc aattgcctta tgtacgagat gtgctattat cgctttggtc aagtctacac 180
 agaagccaaa cgcctccag gttatgacag agtgaqaaat gcagaaatcg gaaataaaga 240
 ttttgagctt gatgttctgg aggaagctta caccacagaa cactggctgg tcagaatata 300
 taaagtaaaa gacctggata atcgcgggtt atctcgag 338

<210> 1935
 <211> 118
 <212> DNA
 <213> Xenopus sp.

<400> 1935
 gaattcccat agcaacaaac agtagcttctt cggctctcgag gtgggtgctgtg tgttttaggga 60
 tttttgtttt ttgttttttg ccagaattgg gagatttttt tgttttgttt ttctcgag 118

<210> 1936
 <211> 441
 <212> DNA
 <213> Xenopus sp.

<400> 1936
 gaattcccat agcaacaaac agtadcatgag tggagtcctc ctgctctctt ggcctcccat 60
 gctggcggcc gccgcggcct ttgacattgg attatccacc aagtgcgttc ccattcccaa 120
 agagatggcc atgttcaatg acgtcgggtt cccggagatg cggttgccaa acctgttggg 180
 acacaactaa atggcagaag cgttgcccaa gtcagcagag tggcagaacc tccctacagac 240
 tggctgcccac cccctatgca ggaccttctt atgtctctta ttgcgccag tatgcctgga 300
 cactgttcac cagcctggcc gcagcatgag tgttgctgta agaaacagtt gtgctccagt 360
 tctggcatgt tatgggcaat cctggcccaa gagcttagac tatgacaggt tcccagctgg 420

ggaagacatg tgtctggaca ctctcagcaa agagtatcag tatgcctata aagaactgcc 480
 aaagccaagc tgccagggct gcccaattat tgaagaattc ttttcacaca agacaactga 540
 g 541

<210> 1937
 <211> 411
 <212> DNA
 <213> Xenopus sp.

<400> 1937
 gaattcccat agcaacaaac agtaattccc atagcaacaa acagtaggct ctgtagggtc 60
 tccgctatca tggctacgtc agcaactggc aagatggcgg tgcccatgca gcaggagcag 120
 ctccgtgtgg caaccgggct tcgttccctt ctctttctgt ggctgctgag tttagtggga 180
 gcaaatgaag ggcaggcggc acaggacacc ccacaccggc ggctcgagta taaatacagc 240
 ttcaaaggct cttacctagt gcagagcgat ggcactgttc cttctctggag ccactctggc 300
 aatgcaattc ctacgcctga tcagattagg ataacgccat ctttaaaaag ccagaaagga 360
 tcggctatgga cgaaaacttt ggcaaaacttt cagaactggg aagtcctega g 411

<210> 1938
 <211> 353
 <212> DNA
 <213> Xenopus sp.

<400> 1938
 gaattcccat agcaacaaac agtatgcacg tgcaagaggg cttatccgga tccagaagat 60
 gaggtccaag atgaaatgat ccagtgtata gtctgtgagg actgggtcca tgggaaggcac 120
 cttggcgcag ttccaccgga gcatatggac tttcaggaga tgatatgcca gatctgcatt 180
 gaecgatgtt cattttctttg ggccatgtct gcatatatag caattccctc tgttacaaaa 240
 ataacatctg ctgagatgga tcttgaaagc aaggatatca aggttgatga tagtctggct 300
 gagggctattc taggagaaga tggggccaaac attaaaactg ggaaaacctc gag 353

<210> 1939
 <211> 295
 <212> DNA
 <213> Xenopus sp.

<400> 1939
 gaattcccat agcaacaaac agtaagggca cacacctatt atgcaccact ccattctcca 60
 tcatcagcgg cttttcaatt ctctggaaga tgacctaca catggatttg acactctgag 120
 tctggagagt tctgatagtt tagacactag tgtttctaca ggaaactcgg catgttctcc 180
 tgataacatg tcaagtgtta gtggcttaga catgctgaag atagaagaga tggagagaat 240
 gcttctagaa gctcatgcag agagatccag gcttcttaga tccagtgage tegag 295

<210> 1940
 <211> 361
 <212> DNA
 <213> Xenopus sp.

<400> 1940
 gaattcccat agcaacaaac agtactcaga ataacctgcc atctttttat ccaccatatt 60
 caactgcca tcaagcttg ccaatgaca ttaactatcc ctatttccc aatcagatgt 120
 ttccaaaccc cagcacagaa aaacccaaca gcaactggct aaacaacagg tttgggacca 180
 tattatcccc accacggcct gtgggatttt ctcaaacacc ctctcccttc ctcccagaca 240
 tggcgccaat gcacatagcc aacccctccc atctgtcaca cttaactta acgtccctct 300
 tccctgaaat tgcacgaet ctcccactg atggctctgc catgtcacc ctactctega 360
 g 361

<210> 1941
 <211> 287
 <212> DNA

<213> Xenopus sp.

<400> 1941

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gaattcccat agcaacaaac agtagtccac agtaggtcgg gtgctgtctg ggtgcaagca 60
cctttgggca gggcaagggg tgcagtgggt aaggcgacca gcgggcagga ctctgtgtgg 120
atacagcagt ttaattttca gtggcctggg aagagaccca tcagaaaggc agttgcttca 180
gcagtgcaca tcttttcaact catcttcagt acgtaatgga cttgatgaat tctttgatga 240
tcccaagaac tggggagaaa aatctgtaaa atctgggtcaa gctcgag 287
```

<210> 1942

<211> 349

<212> DNA

<213> Xenopus sp.

<400> 1942

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gaattcccat agcaacaaac agtaaacaga catggcgaag catcatccag atctgatttt 60
ttgcagaaaa caggccggtg tggccactgg aagactctgt gaaaaatgtg atggcaagtg 120
tgttaattgt gaactctatg tgcgtccatg cacccttgtg cgtatatgtg atgaatgcaa 180
ctacggttct taccaagggc gctgtgtgat ttgcggaggg ccaggggttt cagatgctta 240
ttactgcaaa gaatgcacca ttccaggagaa agatagagat ggttgtccta aaattgtaaa 300
tttaggcagc tccaaaacag atctctttta cgaacggaag atgctcgag 349
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<210> 1943

<211> 469

<212> DNA

<213> Xenopus sp.

<400> 1943

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gaattcccat agcaacaaac agtagaggga ttctcattc ctcatccagt aattcgaatt 60
tgetgcggtc ctgetgcctt ccgaaagcat gttgcgcctc gtctctgctg ccttggtagt 120
tgcagttaac tcagctgact tcaactgtatt gaagtcacca caaaatcaaa tattccaaga 180
gggaaatttg cctgttccgg ctgacaggat tccagatata atctcgttgt caatgggatt 240
ttccgtggaa gaggatctgc cctggcctgg cttaggagtg ggcaaccttt tccagcctc 300
tcgtgctaca gtctcgtga cagttactgg agtgaataag ctcccgttgg ctgccaatgg 360
actctcctar cctgttggaaa atgctgttcc atacagtgtt gacagtgttg taaattctgt 420
tcattctgtg tttcttgaag aaatgccagt aattttgcag cagctcgag 469
```

<210> 1944

<211> 489

<212> DNA

<213> Xenopus sp.

<400> 1944

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gaattcggac taactacaggt ggacaaaatg ggcaccagcg gctgcatgaa agtcaccaag 60
taactcctgt tctgtttcaa cctcctgttc tttattcttg gtgcctgat ccttggattt 120
ggaatatgga tctcgttggg caaaaccagc tttatttcaa tctgcagac ctctcttgg 180
tacctgagaa caggctccta cattctcacc gctgttgggg gtttaacaat ggtgatggga 240
ttcctgggct gcttgggagc agtgaatgag atccgctgcc tgttgggctt gtatttcaac 300
ttcggtctca ttaactgat ggtcaaat tcaacccgaa tcttgattta cctacagaga 360
gatgcactaa agtccgagat gtctcctacc atccataaac tgattgtcac atatgactat 420
gaagatggaa agaacacgag ctccgagacc acctgggatt atatccagag aaattctcat 480
gtgcctcag 489
```

<210> 1945

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 1945

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gaattcggac taactacaggt ggaaggtttag aagaggggtca tttacattta catattacag 60
```

```

ttcgttatct tatgaacaaa gtggattctg gttcctgaag actgaacttt cctatgagtg 120
caacatttgt acttatatct cttctgaccc ttccctgggt caggatccct gcagcgtctc 180
tggtacactc ctcctcccta tctctgttat ccttgatgga gaaaccagtt acaaggaggg 240
acgtttcacc tctgaattct ctttcattcc tgaacctcga g
281

```

<210> 1946

<211> 437

<212> DNA

<213> *Xenopus* sp.

<400> 1946

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gaattcggac tactacaggt gacaatttgt aggggtgagg gggcctcaat ttgtgtgcat 60
gatttttegac ttataaacca ttccattgtg taaaaccttc aaaatggcag aacgggcaat 120
ctttcctgtt tccgttttgc ttcgatgaa tgcaacaatt taactgggtg ccatgggttt 180
ctaccaggt gcaaatttgc ccagtattga taaatgacct ccagtgtgtg tatgttgta 240
cattttacaa atgtatgact ttttggcatt tgaatcgat agagagattt tgcaatcttt 300
aaggacaccc taatccccct caccctcctt ttttattaca ttatgtttgt ggaattagga 360
ttttaaaaga taaaccttat gaccacccat cccatcttca cccaaagcca ttaggcacaa 420
cacatccacc cctcgag
437

```

<210> 1947

<211> 270

<212> DNA

<213> *Xenopus* sp.

<400> 1947

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gaattcggac tactacaggt gatgtagata agaaataggt gggacacatt ccaagatacc 60
atcttgagag ggtcttttac atttcaaaga ggaactgttt gtacagttgt tgttggtaaa 120
agggacatct aaagaaatta gctgggtttt ctgtttaact tgtcatcagc caatcagagc 180
cattctccat ttgggtcaat ggccatagaaa caatataaca atggagtttg ttttgggttg 240
agagagagat tgggaaggag gagactcgag
270

```

<210> 1948

<211> 333

<212> DNA

<213> *Xenopus* sp.

<400> 1948

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gaattcggac tactacaggt gtttttagtgc cttgagggct gccctacaga gcattgattg 60
gggcattagg ttttcagcta aaaacacaga acagaaatgg ttgtccttta aaatgatatt 120
aaatcattac tgttctcaat ttattccctt aaggactaaa cgtagaagct ctaagaatca 180
tctgtgtgtg ctttaatacag aggtaaagat gttaatggga aagaagagaa aggcatttaa 240
aaactacaaa tctgtaggga cagaagctgc atttaatgaa tataaacact gtaataaatg 300
ttgtaaatca gcaatccgga aggcacagct gag
333

```

<210> 1949

<211> 284

<212> DNA

<213> *Xenopus* sp.

<400> 1949

```

gaattcggac tactacaggt gactgacttt agacatttaa tgtgagtata gtgagtaagt 60
gtaagtctta aagctcattt atagctgaga gaggagtgtg agtgcagggg gtgtatgact 120
gtgcgtagtg aggggacacc acattcatta ccttgagtat ctggagaggg taactgactc 180
ggcagcatca caaggatgtg gttcatctac gtcctcagct ggctgtccct gtttqttcag 240
gtggccttng tcaactcggc cattgtctgc ggaacattct cgag
284

```

<210> 1950

<211> 536

<212> DNA

<213> Xenopus sp.

<400> 1950

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gaattcggga ctactacagg tgcgtcctct ccttcctgtg gcctcctgtg tgggtgaggt 60
tcgtgttcgg gggcctgcgc tacatttgtt aacctcccgc cctgttgccg ccgcagcgaa 120
gtcctcccgc ctcaggcaag tgaaagccgc gtcccagatt gtcccgcagt gattatgcat 180
aaggagcacc tggcccagga tgagaatagt aatcccgcgc agggcccggg agccggaaga 240
aggacaaact gagtcccagc gagcaggaca tgaaccacat taacaagagc aaagcgaaga 300
ggggctcatg ggaggctaat ggctttgggc cggaccacga gatcgagaca ttagecggcc 360
gtacagaaga cagtgtccct ctcagccctt ccaactccct caacctgcgt cacctgagag 420
gctgcgagag agacccatcc gggcgccccc accaacgcta tcttccagc catcaccact 480
cttacagcta ctctcccat catcactacc gacctttgta ctccagctac ctcgag 536

```

<210> 1951

<211> 426

<212> DNA

<213> Xenopus sp.

<400> 1951

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gaattggact actacagggt agcctggaga ccgcgacag acatgtgttt tctacacctg 60
ctctcactat tatgtgtgtg gctgggtggc ccatctccag ccactgggga taatcgatac 120
aaacaagggg agccagtgat gatgtatgta aataaagtgg gcccatatca caatccacaa 180
gagacttata actactacca acttccagta tgtgtccag agaagatccg cctcaagagc 240
ttaacactcg gagaagtgtt ggatggagat cgcctggcag agtcccttga ccgaattgca 300
ttccgacaaa atgcggaaag agaaaccttt tctgagatga aattatcaat cagccaagta 360
gaggagctgc gcacagctat cgaagaattg tattattttg agtttatgct agacgacctt 420
ctcgag 426

```

<210> 1952

<211> 324

<212> DNA

<213> Xenopus sp.

<400> 1952

```

gaattcggac tactacagggt ggcaataaat aagcctcgtc ttctctctct ttttcgtcat 60
tgcccttttt gctagcaggg caccgttagc gtcctttgct tactgctgct aattgtgcca 120
aggaacaaag taattttcgt gcaataccca ccggaggctc cgtcccaat atctcatcaa 180
gacagagatc gtcctgaagg ttccgctcct gtgctgggat ggtgtggcct cctggcagtg 240
ggtaggccaac gatgacaact gtgggatatg tegtatggca ttaaatgggt gctgtccaga 300
atgtaaaatc ccaggaaact ctag 324

```

<210> 1953

<211> 360

<212> DNA

<213> Xenopus sp.

<400> 1953

```

gaattcggac tactacagggt gcagaaagtc auctctacta ccactggcat gtctgcaacc 60
actagttata catatggagt cagctctact accagcagtc cagtgaattt gctgtctaac 120
attactaaga aggaacccga ccggcctgtt gaattatctt agatcagctt cctccacata 180
tggaagtact gcaggcttgg gaacaaatgc agtgagatgc attatcattt ggcctaccgc 240
tggcaggaga aactggacaa caagtggcaa gacgctacca gcctggatgc aatggagagg 300
gcattctgcc aaccgaagaa cgacagttaa ttggggatca gttttgcaac agacctcgag 360

```

<210> 1954

<211> 356

<212> DNA

<213> Xenopus sp.

<400> 1954

gaattcggac tactacaggt ggaggacca gaagtgtgga agtgttctag agctgcttta 60
 tctagccaat cagaatgaac ggccagatgc tgaatgggtt ccacgatgag ctcatcgacg 120
 aaggcagctt tctctttacc tcagagtcag tcggggaggg gcacctgat aaaatctgtg 180
 accagatcag tgatgcagtc cttgatgctc acttgaaaca agaccagaa gccaaagtcg 240
 cgtgtgaaac tggggccaag actggaatga ttctctctgc tggtagagtc acctccaggg 300
 catctgtgga ttacaaaaa attgtacgag acacaatcaa atacattgac ctcgag 356

<210> 1955

<211> 384

<212> DNA

<213> *Xenopus* sp.

<400> 1955

gaattcggac tactacaggt ggagggaggt tcttcatca gaatggatat tgtactgctc 60
 ctctttctct catccctctt ccttgggagc tgcacttacg cgggtccccc taaggacccc 120
 actctacgct ttgtggctct cggagactgg ggggggctgc cgttccccc ctatactaca 180
 agacagcagg agctggtggc tgaagagatg ggcaaacag tggccaaact gggcgcagac 240
 ttattctgtt ctttgggtga caatttctac tacgacggcg tcaccgatgt gtcagacccc 300
 agatttaaga tcaacttctga gtcgggtgtac agctccgagt ccttcatcaa acacccttgg 360
 tatatactgg cggggactct cgag 384

<210> 1956

<211> 333

<212> DNA

<213> *Xenopus* sp.

<400> 1956

gaattcggac tactacaggt gcaaaagctcc caaagttaaa aaagctggag ctcatgaca 60
 atcgcatctc tggaggatta gaggtactgg cagaaaggac cccaaatttg acacacctga 120
 acctcagtgg gaacaagata aaagagatca acaccctaga gcctcttaag aagctacctc 180
 atctcatgag cctggacctc tttaaactgt aggtgactat gctaaacaac tataaggaga 240
 gtgtgtttga gcttctcccc cagctcacct ttctagatgg ctttgatgca gatgaccagg 300
 aggtccaga ttctgaccca gaggcacctc gag 333

<210> 1957

<211> 297

<212> DNA

<213> *Xenopus* sp.

<400> 1957

gaattcggac tactacaggt gcaaaaacct ataattccag agcgtaaata ccagttacta 60
 tctaagattg aggatgggga aagtaacatt cctctgcctt ctttgcctcc ctctctctcc 120
 actgagaaag tactgtggt gaaagctaaa gccacttcta tcatcatgaa ctctcttatg 180
 acaaagcata cacaggagag cattcaacgc ttogaactgc aggtgggctt cagggatgct 240
 gggatatatg cacacaaggc cctcaactgc gaagagacca aataccatcc cctcgag 297

<210> 1958

<211> 256

<212> DNA

<213> *Xenopus* sp.

<400> 1958

gaattcggac tactacaggt gattcattgc aaaattgccc tctctggat cctqggaaca 60
 tgaatataaa cttaaagctat aataaatgca cattgtatca gtgtacaca atttgttggg 120
 cctctataaaa gtacatttta ataataataa ttgtacactt gagaacaagc aaatttacac 180
 acacagttaa aactttttta gtgttcaaaa ttgttctctg tgggttatct gattattata 240
 atatagagag ctcgag 256

<210> 1959

<211> 329

<212> DNA

<213> Xenopus sp.

<400> 1959

```

gaattcggac tactacaggt gttttaacag aaaagaaaga aggcgacgaa ggaggtggta 60
ggattgaatg gttccatata aaagatggta gtttttccag ttggccact atgatatgca 120
gctttgcaca agaaaatgag gaagcagaag atggagggga tgattctcag agtgatgaag 180
agcaagaact aaatgggtca aatgaggaca gtggacatct ggtccacaat tttgtaatgg 240
ataaacagga tactgaaatg aaagaaaagc atggaaatga aacacagggg atgctggaac 300
tgggcaagga agaaagacag accctcag          329

```

<210> 1960

<211> 396

<212> DNA

<213> Xenopus sp.

<400> 1960

```

gaattcggac tactacaggt gcttgattcc aaaatgacca agaagcgaag gaataacgga 60
cgtgccaaaga agggcccgcg ccattgtccag cccatccgtt gcacaaactg tgctcgtgc 120
gtcccaaagg acaaggccat caagaaattt gtcattcagga acattgtgga agctgcagct 180
gtcagggata tctctgaagc cagtgtcttt gattcatatg cacttcccaa gctctatgtg 240
aaacttcatt actgcgtcag ctgtgcaatc cacagcaagg tggtcagaaa ccgtcccgcc 300
gaagctcgtc aggaaccggac accacctccc aggttcaggc ctgctgggtgt acctcagaga 360
gcacctccca agccaatgta agagacgtgg ctcgag          396

```

<210> 1961

<211> 528

<212> DNA

<213> Xenopus sp.

<400> 1961

```

gaattcggac tactacaggt qcaggaaaggc tggtaaattq atttctctaa gtgagcaaaa 60
tcttggtgac tgcctcagag ctcaaggaaa ccagggatgc aatqgtggcc ttatggatca 120
agccttccag tatgtcaagg ataattggagg catcgattct gaagactcgt acccatcac 180
tgctaaggat gaccaggaat gtcactatga tccaaactac aattcagcaa acgacactgg 240
ttttggtgac gttccatctg gaagcgaaga agatctcatg aaggcagtag cttcagtggg 300
accagtttct gttgcagttg atgcaggaca tcaatccttc cagttttatc agtctggaat 360
ttattatgat cctgaatgca gcagtgaaga cctggatcat ggtgtacttg ttgtgggtta 420
cggtcttgaa ggtgaagatg tggatgggaa gagatactgg atcgtcaaga acagctggag 480
tgagaaatgg ggcaacaatg gatacattaa gattgccaaq gactcgag          528

```

<210> 1962

<211> 269

<212> DNA

<213> Xenopus sp.

<400> 1962

```

gaattcggac tactacaggt gataaatggg qttacagatg gtatttggac tgcacccacc 60
ccatttgtgc tcttgggaga tctgcttgac tctctgcttc tggcatattg tgcacagatc 120
ttcacttttg tggaaaaaaa tcttgggtacc tggaaatcta atacttttta ctcaggggaa 180
aaattacctc cttcggatgt gtaattgacct ctttaagaaqa ctaccaaaat ctcagaacac 240
ggttttctgc ggaaggattc tgtctcgag          269

```

<210> 1963

<211> 267

<212> DNA

<213> Xenopus sp.

<400> 1963

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gaattcggac tactacaggt gtggaaattg ggtgacttga gcattgagct gaatagtgc 60
ttctttacac ggaattatgg tatgtggaat ctctatgtct ttgtctctat gttctttat 120

```


gctccttcac acaagcacta tggagatggc cagtcataatg atgggtgctgg aatgagcagt 180
 ggagaggaac ttcagctgac aaccacaatc acccatatcg atggacctac tgaattgtat 240
 cggctggctg gcagggaggc actcgag 267

<210> 1964

<211> 309

<212> DNA

<213> Xenopus sp.

<400> 1964

gaattcggac tactacaggt ggaccggaga ggggcgacgg agatatgaat aaccaaggcg 60
 gggacgagat cggaaaqctc tttgtcgggtg qccttgactg gagcagaca caggaaaccc 120
 tgcgcagtta cttttctcag tatggagaag ttgtaaactg cgtataaatg aaagataaaa 180
 caacaaatca gtcaagaggc tttggctttg tcaaatltta tgateccaat tgtgtaggaa 240
 ctgtccctagc cagcagaccg catacactgg atggccggaa tattgatcca aagccatgta 300
 cccctcgag 309

<210> 1965

<211> 323

<212> DNA

<213> Xenopus sp.

<400> 1965

gaattcggac tactacaggt gctttggagg tcaaggaagg acatctgtgg tgcctgcttt 60
 attctgcatt taattaaagc tttctagctg aatgtgctta atgatactcg tgcacttgt 120
 acagacacct aagcagtgc tctaatgttc ttttttaaac cttaaaggcaa cttacacata 180
 gttaatgctt taaagcagga gtccccaac gccagggcgc ggacactcct gccctgggtc 240
 gccgagccca gtgctcaaaa acgaggcacg ccaaatttta tcccagcgcg tccaaatttg 300
 ctgccaaccc ctccgacctc gag 323

<210> 1966

<211> 535

<212> DNA

<213> Xenopus sp.

<400> 1966

gaattcggac tactacaggt gaagcttggc agctatggct ttgttttagcc atttccatgt 60
 tggatgctcc atgccagagg tctgcttctt tgtctctgtg atgcttctgg ctatagtggg 120
 tgagttcagc ctttccctgg ctgcgcaggc gaggtaacct gaggcataatg gcagtgtcta 180
 ctatgttggc gagggttact tcttggactc ggaccactgc actcaatgtg agtgcaccac 240
 agagggccca gccgtgtcta ggacagagtg cacagccttg ccaccagcct gcattgcgcg 300
 cagccactac cctacggact gttgcctcgc ctgtgagaag attggctgtg aatacagagg 360
 agaagtctat gagctgggag aacaatttca gccctcagaa tgtgaacagt gtacatgtga 420
 cgtagacgga attgcccgtt gccgtgttagc agactgtgac cctctccat gcgttaaccc 480
 ggtgtatgag aaggagaggt gctgcccgcg atgtaaaat ggtccaaacc ccgag 535

<210> 1967

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 1967

gaattcggac tactacaggt ggctaatagc ccaggaccac cttccctata ctaggaaaaa 60
 gaaactcacc aaagctacta atataaactg ttttaattgc tatcaaaaag gacattttagc 120
 gcgcactgtt ccagaaaaatg aggacaagaa agaacaaaat tctcctagct cttataaagt 180
 tgttccctgac cggcctcatg cacataaccc aaaccggggg aaattctacc gtagtacgga 240
 gggcccccgc ggaacctacc atttcatacc aaacctcga g 281

<210> 1968

<211> 308

<212> DNA

<213> *Xenopus* sp.

<400> 1968

```

gaattcggac tactacaggt gaaggagtag gagggaaagt gaaaggaaat taacacgcag 60
tgattctctcg ttatcaaaga tgtcacggca ggattctagg caagatggca agaaaggctc 120
caccaaagaa agtaataaac gctctacatc tagtggaagg agcagttcag aatcgccctgt 180
cctctacaag gataaaaagg ctaagaaatc aaaacgcagc agatcacatt ctgtggagaa 240
atcgcaaagg tctggtaaga aggcaugccg caaacacaug tetaagaccg gatcaagatc 300
gtctcgag                                     308

```

<210> 1969

<211> 349

<212> DNA

<213> *Xenopus* sp.

<400> 1969

```

gaattcggac tactacaggt gcattgaagtt actgttttgc gctgcgctta tcgcgggctc 60
cgtgatcttc ttgctcttcc ctgggagctc agtggcagat gacaagaaga aagggccgaa 120
ggcgaccgat aaggtatact ttgatttaaa gatcggtgat gaggaagtag gaggtatagt 180
aatcggtctt ttgggaaaaa ctgttcccaa gacagttgaa aactttgtaa ccttggcaac 240
cggagagaaa ggatatggtt acaaaggcag caagttccac cgtgtgatca aagaatttat 300
gatccaagga ggagattttc ctcttqaga tggtaactgaa ggaactcgag 349

```

<210> 1970

<211> 319

<212> DNA

<213> *Xenopus* sp.

<400> 1970

```

gaattcggac tactacaggt gaaatacatt tgtgccatct tgtttgcttt gtaaattgta 60
attttatatt gtatttctct cctgggattg tgtgtcaggg ttgctttctt gatccagtgt 120
aattaacatt caactgtaa ttttcaatcc attgatgctc cgcctgcagg ctctctcttt 180
tacctgtccc tgcgggatgt ttttagagtg gcggcattca ctggcttggg ttctcccatg 240
agaacacgta caatatctta ggtgtaacct ttttaactct tgttttqttt tctggggagg 300
gaatggggga actctcgag 319

```

<210> 1971

<211> 302

<212> DNA

<213> *Xenopus* sp.

<400> 1971

```

gaattcggac tactacaggt gtggggctct tccgttqagt tatgqctgct aaagtgttca 60
gttcatggga ttttaaagtt acctcagaatc gatctgtaca gagacagcga gaaaatatac 120
acatgcagct aaaggaaatg ctcagtgaag gattacaaag tgaccgtcca actctcttaa 180
agaagcaact gaagggtcct ttcattctca tgcctctctg ggcattgtgt ttagggagct 240
ggcttggggc tgcagtatgt gtatatctgc tgtcagaaca tctacacca aattgqctctg 300
ag 302

```

<210> 1972

<211> 438

<212> DNA

<213> *Xenopus* sp.

<400> 1972

```

gaattcggac tactacaggt gaacccctga aaaactcttt gaaagtctca tctctcgggt 60
tacaagcgat gcatttttcc gtgactatng ggaaaccaaa gtccctgcttc tccaggggaag 120
ggatcccgcg ttaccgatt acttccacac cctttttcga ctgtcagacc taaagcacat 180
ggcggggggg gggatttact acqaaaggga cgtcaatgta ttcaaatgca gaaacgggaa 240

```

gaaaatagcg ttgccaaagac acgggaaage cacttacctg catctcccca aagactttgg 300
 cagcggggaag gccgctattc agttccatca gcccagagg ttaaatgatg ccttggtggca 360
 catcatggag aaqttggagt gcttcttttg tgccttgggtt ggaagtaacg ttacatcac 420
 tccccgggac tcttcgag 438

<210> 1973

<211> 255

<212> DNA

<213> Xenopus sp.

<400> 1973

gaattcggac tactacaggt gataatctgt gtgtgcaaca gcgctgttat agtatctgtt 60
 gctgtaccgg taattacggt tatcattcga agagccacta gatcctcctg agctagacac 120
 cgaactgggt gtacttgttg agtgactatg gtccattgca gggtctgtag aattactatt 180
 acttgtattt gtcccttcac cagttgtttt cttgaagaag ttgtgctgga ggcatagaa 240
 aggggtggac tcgag 255

<210> 1974

<211> 410

<212> DNA

<213> Xenopus sp.

<400> 1974

gaattcggac tactacaggt ggggctttct tcaagggtgc ctggctccat gttctccgaa 60
 gaatgggtgg ccgctttgtt ctgggtgtgt atgatgagct gaagaaagtc atgtaaactt 120
 atctttcttg agatgtctgt gaccaggcat gctgtattct gtaacctacc ctggacattt 180
 atggacattc taattttttt ttttttgtca aacacactta tttataaaat atatagctgg 240
 taaacttatt agctgggtgt ttgggatcag ttctattaca tctcaccage tttccacaat 300
 aataaatcat tccctttaag tctcttgcct cttttaagag cctgcaactg tgccttcctg 360
 caagggtttg gccctttggc agtgacagac tgattcaatg gagactcgag 410

<210> 1975

<211> 320

<212> DNA

<213> Xenopus sp.

<400> 1975

gaattcggac tactacaggt gaatacatct gtgccatcag agcctagcag tcttcagagc 60
 agtacacgta caagtcgttc agcttctcct gacgatatac ttgaacqagt tgcctgcagat 120
 gttaaagaat atgagagaga gaatatcgac acatttgaag cctctgtgaa agccaaatat 180
 aatctcatga ctgaacagaa taatgggtgc atgcagaaga aattattagc accagacatg 240
 ttcacagaat ctgatgacat gtttgcagca tactttgata gtgctcgttt taaggctgct 300
 ggaattggaa aagactcgag 320

<210> 1976

<211> 455

<212> DNA

<213> Xenopus sp.

<400> 1976

gaattcggac tactacaggt gagatgaqct aatggatttt ggtatctctc aaaccacaga 60
 cagcaaaaatt ttacaagagt atatcaactc agaaggctcat aaattagaaa ctggagcacc 120
 ccgtccacct gccacagtaa caaatgctgt atcgtggaga tcagaaggca ttaaatatag 180
 gaagaatgaa gttttccttg atgtcataga atctgtgaat cttttggtga gtgcaaatgg 240
 aaacgtgtta cgcagtgaga tagtagggtc catcaaaatg cgaqtgttcc tticaggaat 300
 gcccgaaact cgtcttggat taaatgataa agttctattt gacaatactg ggcgtggaaa 360
 gagcaaaact gtggaactgg aagatgtcaa gtttcaccaa tgtgtacgcc tgtcaagatt 420
 cgaaaaatgac aggacaattt ccttcattcc tcgag 455

<210> 1977

<211> 299
 <212> DNA
 <213> *Xenopus* sp.

<400> 1977
 gaattcggac tactacaggt gaaaagtaca taagcaagtc gcttattgga ttgctttttc 60
 cagttatgtt aagtattact gatgtgtaca ttgttcttaa tgcattgtaa aacatgcttc 120
 ccttttgtaa aatataatggg ctttattttg actctactgt tctacttttt aagatgtttg 180
 tgtgtttttt tgtttttttt ctttgagtaa acataaagcc tgatttttgt attacttttt 240
 agttgttget cagttgtact ttatcaaata aatctgtaaa aacacagcgc tcaactcag 299

<210> 1978
 <211> 435
 <212> DNA
 <213> *Xenopus* sp.

<400> 1978
 gaattcggac tactacaggt ggaagctcag aaatagtaca cggtatcccg gageggetct 60
 gcagagaaca tggcggatgt actggattta cagcaggcgg gcggggagga cttegetatg 120
 gatgaagatg gggacgagag tatccacaaa ctgaaagaaa aggccaaaga aaggaagggc 180
 agagggtttg gtgcagatga aggcaccaga acgaggatcc gqgaagacta tgacagtgtg 240
 gagcaggatg gagaacgagcc ggggccccag agatctgttg aaggctggat cctqtttgtg 300
 accgggggtac acgaggaggc cacagaggaq gatatacacg ataaatttgg tgaatttggg 360
 gagatcaaga acatccacct gaatctggac cgcaggacgg gcttccctaaa ggcctacggg 420
 ctagtggacc tcgag 435

<210> 1979
 <211> 478
 <212> DNA
 <213> *Xenopus* sp.

<400> 1979
 gaattcggac tactacaggt gcgccgagag gccgtttata aaatgcagct ttttgtctga 60
 gggcgaagtc tgcacacct agaggtgtct ggacaggaga ctgtttccca gatcaaggat 120
 caaatctctt ctctggaggg aatctctctt qagatcagg ttgttctctt tgcctggctc 180
 ccaattctct aggaacatac cctgcaacaa tgcggcgtat gtgatctcag cacccttggat 240
 gtatgttcac ggctgtttgg aggtaaagtc cacggctctc tcgctcgtgc cggaaaagtg 300
 cgaggccaaa ctccaaaggc qgccaaagca gagaagaaga aaaagaagac tggccggggc 360
 aagagacgca tgcagtataa caqacgcttc gtcaatgtcg taaccacctc tggcaagaag 420
 aagggacctt atqccaactc ttaaatgate agagttcaat aaacaactga aactcag 478

<210> 1980
 <211> 346
 <212> DNA
 <213> *Xenopus* sp.

<400> 1980
 gaattcggac tactacaggt gaacagaggg gccatctggt ctgcagataa gacacgtgtg 60
 tatgagatgg aatcacactg aaatataatc ccagaaatag tttgtcccaq ttgcacatc 120
 actctctgtt catgggggta tgaattcaca gaaatctttt cccactaac caqatctaac 180
 ccaacacttt ggcgaatac ctacgcagag gagaaaacca atctctctgc ttatctacta 240
 cctttgcctc ctatctttag tgagccgctg agaatgtaaa ataacattta taataatat 300
 tgatatatac tatggcccat ggtgttacat tgacccaacc ctctag 346

<210> 1981
 <211> 310
 <212> DNA
 <213> *Xenopus* sp.

<400> 1981

```

gaattcggac tactacaggt gtgataacgg cgcagctctc cactcaattt cagataactgc 60
taattggaatc tgtcttctcc aattgtatta cgagaagccc taatttgcta tggagcttgg 120
agctgtcatc agttggggat tgtgggggtca catgggagct gccaggtttt tgccctgcag 180
tttgtatctt tcaacttcaa tagcacagcc ccttgctgc cagttagctg ataggccgcc 240
atgggggttta tgccacttca tacaatagga cggggctgca caggttgact ttctaattgt 300
caagctcgag                                     310

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<210> 1982

<211> 341

<212> DNA

<213> *Xenopus* sp.

<400> 1982

```

gaattcggac tactacaggt gcaaagagaa cgcgagcggc agaggcagag agagcgagag 60
atcagagaaa tggagagaca aagggaacga gaccgcagag cccgtgaacg tgttcttatg 120
atacagagaaa gagaagaacg ggagagactg cgaagggagc gcgccaggct tgagtgtgaa 180
agagaccgtc ttgatcgaga acgtatggag cgcgagagac tagaaagaga gccaatgcgt 240
atagaagaaq agcggcgaaat agagcaggag cgcattcaca gggaaaggga ggagcttcgt 300
cgtcagcaag accgattacg ctatgaacag gatgcctega g                                     341

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<210> 1983

<211> 301

<212> DNA

<213> *Xenopus* sp.

<400> 1983

```

gaattcggac tactacaggt gcgcgctccc gcggagttag gcaatagggt ttgctggaga 60
gagcgattga gagttagatt tgcctgcggc gctttaggga ttcatttctg tcccagatgg 120
aactaacatg agactccccg ggaataagtg gctgggggca gcgctccttc tegtgtaac 180
ggtctctgtg agagtgcgga gcgacgaacc cactggaccc ccatcaactt caacagaaaa 240
aacaataaca agtgcctccc tgcaaccgac cgcaggcagc aatataacag acatcctega 300
g                                     301

```

<210> 1984

<211> 304

<212> DNA

<213> *Xenopus* sp.

<400> 1984

```

gaattcggac tactacaggt gattgtatgt ccagcttcca actcgtgctt cagagqaaat 60
acactgacaa ctctaaaact tgttgaaact caagatggaa ttctggaaca agtatctctg 120
gacaaacctg ttggtgcggg ctctgatctt cgtgactgtt gateggattc agtetgacga 180
ctcaatgtgt ccacaggaca tgggtatacg ctgcaagcgg atttgctaca gtaactgtga 240
caatctaaac aqcaccagtg aaggetgcat tgagatatgt aagctgggat gcgaccgact 300
cgag                                     304

```

<210> 1985

<211> 474

<212> DNA

<213> *Xenopus* sp.

<400> 1985

```

gaattcggac tactacaggt ggtggataac tgtgtgttca aacgtgggtga caaggagacc 60
acatgtacag atctggaggg attctgggat atgatctatt ttcagataga agatgtaaaa 120
qcaaaqcttg ttaattcttg caagctggag gagaattctt ggcaacaaaa cacaqcccca 180
accaaaaaaa tcataaagaa aaagattgca cctgctgcaa catcaaaqtc aaqccaaggg 240
gataatggca gggctgctgc tegtagtgc ctcgctgcta ttaaagctgc cttgaaaaac 300
aaaggaaagc aggaggagcc caatgtatag gccctagcac tgcctacca agttgaagaa 360
gttctgtctc atgcagggtt tttctagctc gcaagccctg ccaaagttgc taacagtttt 420
agggcaaaat gcagttcttc ttggctatcc cctactcccc agccccact cgag 474

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<210> 1986
 <211> 347
 <212> DNA
 <213> *Xenopus* sp.

<400> 1986
 gaattcggac tactacaggt gaaagacacc attagaaaag cccctggaaaa ctccaacgtt 60
 gtcattaacc taatcggaag agagtgggaa acaaagaatt ttagttatga agatgttttt 120
 gtgaatatcc cgagagatct tgcactgcta gcacgggagg ctggagtaga gaaattcacc 180
 cacatgtccc atcttaacgc tgacctgaaa agcccatcaa agtatctgag gaataaggct 240
 gttggagagg ccgctgtaag ggaggctttc ccagacgcaa tcatcatgaa gccttcagaa 300
 atgtacggca gggaagacag attcttcaac cattatgcaa actcgag 347

<210> 1987
 <211> 275
 <212> DNA
 <213> *Xenopus* sp.

<400> 1987
 gaattcggac tactacaggt gaaaaaaaaa ctgcagcact ctacaaagt tctgtgtgtc 60
 atattgccaa taatgggtgc aacaacctcc tggatattaa tctacaata tattttgttt 120
 tgaacttcat ggtgtgtcaga aacctgctta tgcattccaa cctactgcag gtagggaaga 180
 gtgcgaagtg cgtttgtttt acctagattt ctgaaatgtg ataattctcg aatgtttttt 240
 atttcacttt tattttatga ctgtgttaagc tcgag 275

<210> 1988
 <211> 489
 <212> DNA
 <213> *Xenopus* sp.

<220>
 <221> unsure
 <222> (17)

<220>
 <221> unsure
 <222> (22)

<220>
 <221> unsure
 <222> (25)

<220>
 <221> unsure
 <222> (61) .. (62)

<400> 1988
 gaattcggac tactacaggt gnaanaaatt atagaaatga gaaacacatt aagtcttaqt 60
 atgaagggtg agatagaagg ttgtcaaaaa gaaagcaacg gaaaaaacat atgaatttgt 120
 acaactcaga taagccatat atctgcaaaag tgtgtgataa atcctacact caccaccagt 180
 cctcaagaaa gcacatgaag gttcatgaat cacaagggtc tgattcttcc cctgcgcgca 240
 gctcagggtt cgaactctgt accccaccag caatgggttt tgcacaacagt gtggaacatt 300
 ccaaaaaatt atcagcaaca catcagaact acaacaatt tcaataacaa ggactacttc 360
 cacttaattt taacgaatgg tatgtctgag caaaatgtag agaggcctag tcatgtctaa 420
 caaaaaggac atgtgcaaaa aaacagaatt caattttttt tatgttgaac caaggcgga 480
 atgtctgag 489

<210> 1989
 <211> 507
 <212> DNA

<213> Xenopus sp.

<400> 1989

```

gaattcggac tactacaggt gggttacatg gcttctctcc gactgtctgt gctgctcgtg 60
ccgtctcat ggctgctgct gctggtgtct ggggtccgg cggggcctcg cactcttgct 120
ttaatggaga acatcgacct gcgggagacg cactctctct tcttcgcag tatatcggac 180
agaggatttg acttgctctt caaaacagct gatgatccga gcttgctcct tatcaagtac 240
ggggagttct tgtacgacaa tctaaccatc ttttccccct tegtgaaga tttcgggggg 300
aacataaaca ttgagaccat cagctcattc atcgatgggt gcggaagtgt gctgggtggc 360
gcaagctctg atattgggga cctctccgg gagctgggca gcgaatgtgg cattgagttt 420
gatgaagaga aaacagctgt aattgatcat cataactacg atatctccga cccgggccag 480
cacacactta ttagggccga cctcgag 507

```

<210> 1990

<211> 294

<212> DNA

<213> Xenopus sp.

<400> 1990

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gaattcggac tactacaggt gttccagttc agtgaacct cagttaaata tacttgatgt 60
tagttaatga taatggaaag gttatgtcat tataaaaaaa tgaatcaagt cttagagatgg 120
ttttcagctt gtgaacaaac aaaagggtat caaccaaagg ggaacaaatt aaatactctg 180
gcactattag cagtgtgttt gttccttaac agccatttcc ttgcatttg ttctggatct 240
cgtagatctt tctttttttt tttaaatgta ttgtatgca ctgtgtaact cgag 294

```

<210> 1991

<211> 279

<212> DNA

<213> Xenopus sp.

<400> 1991

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gaattcggac tactacaggt gaaagacatg aacaatgttg ggtagtaaag cagtagaaag 60
tcagcaaacg tactaaatgg cttgtgaaat gttctggttt agaatgggtgc taaacttccc 120
actgaatcca taactattgc catcttaagc agttattctg tgggtgtgct aaaccttatt 180
gttaaacitt ttgtttttta attgaatacc ttgcaagtag aatttctggc atgagtaalc 240
agtctttgct gaaccacaac ttcctgacca gtgctcgag 279

```

<210> 1992

<211> 302

<212> DNA

<213> Xenopus sp.

<400> 1992

```

gaattcggac tactacaggt ggagaaacat agccactgtg acctgttcat atgtacatca 60
ttgtacaatt tttttagtgg atgcaattta ttttgtgtga ttgtacatta ctgaactgga 120
atgtaactgt tctcagaagg gttcattttt gagaattgaa tgtctggctg gaaatttctg 180
atcccatacc aaaactgggt ttgtaagcca tatattacat gtgaaacata cattgagtta 240
attgcaatag gcttaaaaag gaaatagcat attccagcca tcataccagc agcccgctcg 300
ag 302

```

<210> 1993

<211> 554

<212> DNA

<213> Xenopus sp.

<400> 1993

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gaattcggac tactacaggt gggccacagc aatattttct cctttctatc agaagtctct 60
gttggcaggt ggtacctgaa gagagccgtg cgtcgtatcc atcggcagct tcttggtgta 120
atttctctcg tucaaacgga cgcagttctg gaaacggata aagctccatt gcgcacgtac 180
ctattcagtg tgcctgcat gtatatacct tggagtgatc ttattgttgc atatcgttgc 240

```

```

taagtcttgc acatattttc atgtttttct catgaaatat ttttaagaaag gtgtggccag 300
cataatctct tgttttacat ttgtattgct ccttgtttat aaatgtacat gtcattgcaac 360
gtaattgtct ttatttacag gctgctgtat acgcaacttc aaattgatct cttttgagca 420
acggcagtgt aaataaagca cagtattagc ggaaaaccaa tagttagttg cttttgtaca 480
gagcttcccc tgcagtcatt ttaaateatc atataatgct gatgtacagc ctagctagag 540
cccagtaact cgag 554

```

<210> 1994

<211> 279

<212> DNA

<213> Xenopus sp.

<400> 1994

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gaattcggac tactacaggt ggtaaagatc cagggcattc gagttaaaga cgagagccca 60
ggaatcaggg attttgaagc aaatttcata agactaatgg ataaaaaac aaacggcaca 120
aggatcgaga tcaacgaaac tggtaacctc ctgtactata agcccgggct tctctctgga 180
ggaaccttgg agcatgactg caatatactg cgtctatctg gctattattt agaaagtctc 240
ttttgcctag ctctttttat gaagcaccgc catctcgag 279

```

<210> 1995

<211> 298

<212> DNA

<213> Xenopus sp.

<400> 1995

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gaattcggac tactacaggt gcaaaatgga aacatgtttt agcagttgag attaatgttt 60
gtacagatcc cttaagagcc ttttacacat gcagagtgc atatgctagt gtgagcctga 120
aacattcttg ctataggctt cttgtactgt cgtttcaagc taacttgatt tataaacctc 180
tgcctgttcc tttgcctgag gaatatcttc attttcagtt gaagtgaact tgtatcaaat 240
ctaagaattg gcattttggc taccacaggtc tcttggttat aaataaaggc cctctgag 298

```

<210> 1996

<211> 325

<212> DNA

<213> Xenopus sp.

<400> 1996

```

gaattcggac tactacaggt gcagaaccgc aaaagaaatt gatcaagaag cccaggtcag 60
ccttagtgat ctaaggagcc cacaacatga ccttgacagc gtgaagaagc cagagtgggt 120
cattttgatt ggtgtgtgca ctacaccttg ttgtgtgccc attgccaatg ctgggtgaatt 180
tggtgggtat tattgccttt gtcattgggt ccattatgat gcattctgga gaattcgcaa 240
gggtcttget ccattgaate ttgaagttcc agaatacagc tttccttctg aagatttagt 300
aattgtcgga taggtacgac tcgag 325

```

<210> 1997

<211> 439

<212> DNA

<213> Xenopus sp.

<400> 1997

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gaattcggac tactacaggt ggttttagtg tancatcagt tctgatttct gtttaqtacg 60
gttatctatt acaagtacca cttagcgatg ctgaatttcc qqaagaacta attgctccga 120
taatacgttc catctaatc atctctgggt atgtgcgcta aaacaaattt taattttgaa 180
gtggacctgt cggccagaca cggaaagctg tgtgatggag gtctttttca ggttgaacat 240
gtccaaaaat cgggattcta tcttttggtt aagcatctat ggctgtagge tcttttgggg 300
atctcagctg tcaatcagat gtgggtctgc cctctctggg gccttagggc ggcattggagg 360
cgggacagac ggttctctat gatttccatt cgggccttcc tgggtgtcgc tgcctcttgc 420
acgttccctt attctcgag 439

```

<210> 1998

<211> 409
 <212> DNA
 <213> Xenopus sp.

<400> 1998
 gaattcggac tactacaggt gggctaccct atcacccttt atctggaaaa ggagcgggaa 60
 aaggagatca gtgatgatga ggcagaggag gagaaagaag aaaagaagga agaggaagga 120
 gagaacgaca aacctaaaat agaggatgtg ggctctgatg aggaagagga agggaaagat 180
 aagaagaaaa agaccaagaa gatcaaggaa aagtacattg atcaggagga gctgaacaaa 240
 accaagcccg tctggaccgg caaccctgat gatattacac aggaagagta tggagagttc 300
 tacaagagtc tgaccaatga ctgggaggat caccctggctg taaagcattt ctctgtggaa 360
 gggcagctgg agttccgtgc tctgctattc atcccccgcc ccgctcgag 409

<210> 1999
 <211> 364
 <212> DNA
 <213> Xenopus sp.

<400> 1999
 gaattcggac tactacaggt gcaaattact tacaatgtag gtgggtttgta gttcagttga 60
 agttaaattg gtattgtcga actacaaact actttcacac tatatagaag ttgcttagaa 120
 ttagctattc tataactcac ttaaaattac cttaaagggtg aatcaccact ttaagccacg 180
 tgtctcataa gaagaaatga tctacaaaat aactttaaag gctgaatttg gtaaatattt 240
 ggatgcagag gtaaaaggagg ggattattac tggagaaacc agtgattagt ttgagtgcga 300
 agaacaaata ttctgtatat atactttccc ccaaacaaca tgtccccacc tgtagtatgc 360
 cgaa 364

<210> 2000
 <211> 308
 <212> DNA
 <213> Xenopus sp.

<400> 2000
 gaattcggac tactacaggt ggagccatgg gtccttggag gtatctgttt gggctgtgct 60
 ggttccgtga ggttcatttt gcccgatcgg ctgttccctt gcttgcaaac tccgatttct 120
 ttagcctcaa tcccaactcag actacgatta cgttggaaag gccgttctgc atgtttaaag 180
 atgccattga cgtttatctc ttgtccattg tgaaaggtgc cacaagcacc caagttgctg 240
 atgccgccaa gaaggttatt gctctaaact acactggaac ccaggagggc ctactgggan 300
 ttctcgag 308

<210> 2001
 <211> 304
 <212> DNA
 <213> Xenopus sp.

<400> 2001
 gaattcggac tactacaggt qtttqgttat cctgagagtg tgaggtaggg gaataagaga 60
 gaggaaggtc atgcccacca tggggaagaa acagaatggc aagagcaaga aggtggagga 120
 agccgagcct gaagaatttg ttgtagaaaa agttatggan aggggtgtag taaatggaaa 180
 ggttgaatat tacctcaaat ggaaaggttt tacagattca gacaaacacc gggagcctga 240
 agaaaactta gactgtccag agttgataga agcaatcttt aattctcagg aggcagggtt 300
 cgag 304

<210> 2002
 <211> 372
 <212> DNA
 <213> Xenopus sp.

<400> 2002
 gaattcggga ctactacagg tggtaaatat ggaqactctc gtttggagggg agggagggga 60

gaccccaaca gaagagccgg acaatgtaga actaagaaga cgcgcacttc agaaaactgga 120
 aacaacagat tctcaataaa agacttaacc ctctctgaca tttccaaagt ctctctcttg 180
 acactgaacg accaggggaa ttctgcttct tgaaaageta cgttttgctt tgcgcggact 240
 cagcagccat ctttggcaaa ctttgatatg aacttcgtta aatatatata ttttttacga 300
 ctacacaagg gttcttatgg cagatgctca gtgatgaaaq gactactggc ctcaatatcg 360
 gggggactcg ag 372

<210> 2003

<211> 287

<212> DNA

<213> Xenopus sp.

<400> 2003

gaattcggac tactacaggt ggtggattta cctgaggaaa acagagaggg tgcatacaat 60
 gccattactc tgcctgagga attccatgac tttgatcagc cgtacactga tctggatgac 120
 attgatgtgg ctacagcagt tagcttgaac caaagctcag ttgaggagat tacaatgagg 180
 gaagaagtta gcaacattaa tctcctgcaa gataatgatt ttgttgactt tggcatggac 240
 gaccaagaga tgatgcgaga aggcagcgt tatgaagatg actcgag 287

<210> 2004

<211> 414

<212> DNA

<213> Xenopus sp.

<400> 2004

gaattcggac tactacaggt ggcctgcag catctttgta gcttcattct tctcttgcat 60
 cttcttcgaq gttctgccag ccaaacatt gaggcagact gcaatgacca caatatattt 120
 tacgcagtag ataaggcact gagacaccac aacaaggcgt taatagatgg aaaccagttt 180
 gttctctata ggatcacaga tgccaagata aagactgata atagcgatgg gatacataac 240
 tttgtcagct atgatatacg agaaggttcc tgtggagtaa aaagtggcaa attgtggcag 300
 aattgtgatt ttaagcaatc tgatgaaaaa gtgggtaagt gttcggcaca cgttgtagtc 360
 aacaaagagt tcaagaccag tgaagtcac tctcagaact gtagcacact cgag 414

<210> 2005

<211> 280

<212> DNA

<213> Xenopus sp.

<400> 2005

gaattcggac tactacaggt gatcatcaga gatcaaaaga cagggatcgg caaaggattc 60
 ggctacgttt tatctgagag tgcagacgcc gtccaaactag cgttgaagct gaacaactct 120
 cagctctcgg gaagaaggat cggggttaag cgcagcgtta cggcagaggg cgcacaaaaa 180
 agtacaaaaca aaacaagttt taagcagaag ttggacacat taaatcaaac aaaaccgatt 240
 aaggccaaca gttttgtcgg cgaacacagg gagctctcag 280

<210> 2006

<211> 319

<212> DNA

<213> Xenopus sp.

<400> 2006

gaattcggac tactacaggt gcatgaaggat tctgagctta ttgattttct ctgggaacct 60
 accaaacacc cccattgccg gtgtctctgag taagctaggt ccttagcttct ggtgtccacc 120
 cctactttca ccaaacatat catctacaag aagctgtctc tgtgccatgg cagaaatgca 180
 agatagtcac aatgaaatgg ggtgttacac cccaaatccn gaagtacgtg ggaatgacttg 240
 tctaaatcgg gatgttttca ataaaaccat acacgtttcc gtaattaaag taaagaaaga 300
 aataatcaat agactcgag 319

<210> 2007

<211> 315

<212> DNA

<213> *Xenopus* sp.

<400> 2007

```

gaattcggac tactacaggt gcaagcttta cagtaagaca tcccatggta ccatatacct 60
ttataaggct tgacattgca tgaaatattt agcttgaaac aaatgtgaaa aataaactaa 120
cagtaaaata attagcttac atgaatacaa agttaaaaca aaatatgtat tagttcaaag 180
attcagcaag gcatacataa tgaataaaac aactttgttc tacagtgtct agagattgct 240
gcttagccaa tatctagatg atatgtacct gtgcaaatcc ttaacagtgc agaaaaacac 300
ctgtagtagt ccgaa 315

```

<210> 2008

<211> 332

<212> DNA

<213> *Xenopus* sp.

<400> 2008

```

gaattcggac tactacaggt gtacaaacct tccaggttat tctgcaacag ttttactaat 60
ttttctgagg tggccatagt acatttgtga ttcgctatgg ggtttgatgt actgttgggt 120
gggtgcattc acaacccggg gtggcacact gcacatatga taaatacttg tcttatatta 180
ataggcctgg ccttgccac taatatggaa aaaccccat ataagatggc tgtgtggcta 240
ctggctgtga taagcagcat agcaactctt taccatataa caaaaaaagt tagcttgcgt 300
gtgatctcta cttgccaacg tgtgctctcg ag 332

```

<210> 2009

<211> 274

<212> DNA

<213> *Xenopus* sp.

<400> 2009

```

gaattcggac tactacaggt gagecaatga actgggaatg cttctttaca gtttccctga 60
cacgtttctc ttccaggtag tcaqtctgat cttecttcag atgcaggatg actttggtag 120
cacggccaa ggqctacca gtatcaacct tcacagtga ggagccacca gcagaggatt 180
cccaagcata ttgtctatca tcaattgtgt tggtaatgac cacaaccttc tctgccacca 240
ggtatgcaga atagaaacct acaccgaact cgag 274

```

<210> 2010

<211> 326

<212> DNA

<213> *Xenopus* sp.

<400> 2010

```

gaattcggac tactacaggt gcattgatta gatcactqca gcataactgt ataaatatct 60
atagaactaag gtgcatttct agatgctgga aaaactgcag cacaggatgg gccaaatgtg 120
tactgqaagt ttgggttgca gaagttttaa ggtaaggaga agttggcagt gatggacccg 180
attatgggat ggtctttgtg agcctctgtc gtaaaggggt tatttgctt tgggttcgaa 240
tttagtatga tgtagagcag tgatccccag ccagtggctc atgaacaact tgttaactcc 300
agtggcctca aagcagatga ctgag 326

```

<210> 2011

<211> 265

<212> DNA

<213> *Xenopus* sp.

<400> 2011

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gaattcggac tactacaggt gaaacatcaa gccagcttgg attgataata gtcacaattg 60
gactaaatct tcccacta gccctcttcc acatttgcac tcatgcattc tttaaagcta 120
tattatttct ttgttcaggt tctattatcc atagccttaa tgatgaacaa gatattcgaa 180
aaataggagg cctacaaaat tctttacca tcaactacac ttgcttaaca attggcagcc 240
taaccttaac egggacaagc cagag 265

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<210> 2012
 <211> 335
 <212> DNA
 <213> Xenopus sp.

<400> 2012
 gaattcggac tactacaggt gagaagatag aaaagaggcg gcagatcccc ttccacatgc 60
 acatcaacct ggagctgctg gaggcgctct atctgggtgtc ggccatgttg ctggagattc 120
 catacatggc tgcacatgag ttcatgcca ggagaaggat gattagcaaa cagttecacc 180
 accagctccg tgtgggcgag aggcaaccac ttctagggcc cccggagagc atgaggggaa 240
 atgtagtctg tgcctccaaa gcaatgaaga tgggagactg aaagacctgc aagaacttca 300
 ccacaaaga gaagatgaac gggaaaggctc tcgag 335

<210> 2013
 <211> 281
 <212> DNA
 <213> Xenopus sp.

<400> 2013
 gaattcggac tactacaggt gcaaatcaat gcatgggtgc taggggaatt tggacctag 60
 ttaccagatc acttaagatg caaattgaag agctgctgaa taaaaagcta aataactcaa 120
 aaaccacaaa taataaaaaa tgaaaaccaa ttgcaatttg tctcagaata ccacctctta 180
 cattgtacta aaggtgaaca accactttta taaatagcag tctgctcggc attaatgagg 240
 tcaataaatg cctgttttgc ccatttcaag caaacctcga g 281

<210> 2014
 <211> 365
 <212> DNA
 <213> Xenopus sp.

<400> 2014
 gaattcggac tactacaggt ggcttcttctc attctctgtc ggacttttgag ctgggtccaga 60
 cgttttttat ccaactccct ctttgccagc aggaagagca ggatgccaga tggaaagccg 120
 atggcccatg ccagacctac ttcttccaga ggggttttgg ctttgccgtg ggggatgtac 180
 tctggtgtcc tagaggcctg ttcttgtagc tcagggtttg cccacagacg tgagtgggtg 240
 tgcagctgct ttgcattgtg tggatggag gactggaaag cagagaactg tgacttcaca 300
 gagtcaacca aggcagccca catgcgccct cttctcactg acgccaacat ccttcgcgac 360
 tcgag 365

<210> 2015
 <211> 384
 <212> DNA
 <213> Xenopus sp.

<400> 2015
 gaattcggac tactacaggt gaagtggttt ggattactaa gtgaggagcc agtgcctgtt 60
 gcagactcaa ttgttgatgc tctggccaaa caacttgaaa ttatgctctc atttgggcca 120
 ggagaaagag acatgatttt ttgagaaat gatattggca tcagacatcc ttctggccat 180
 ttaaaatcca aaaacatcag ttgtgtctta taaggagatg taaatggcta ctgggcaatg 240
 gctaaaactg tgggtacccc aacagcaatt gctgctaaaa tgggttttga tggggaagtt 300
 gaaagcaggg gcttggtaat tccactgacc aagaatatct atggaccaat attagaacgt 360
 gtcagggag aaggaattct cga 384

<210> 2016
 <211> 339
 <212> DNA
 <213> Xenopus sp.

<220>
 <221> unsure

<222> (114)

<220>

<221> unsure

<222> (117)..(118)

<400> 2016

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gaattcggac tactacaggt gcagatacaa aggcccaaag ccagatccct gcttgaacag 60
tgaaacaata ccgttaaaga gggattttct ttgcttaaac tgaattactc tgcncnnc 120
agaaaagatt ccaacaccag gacaaatata caacatgttt tctccccccc cccccccat 180
ttttttcttt tcttcccaat ctcttacgta ctttcaataa tataaataga tgtttgtgtt 240
ttacatcact ctagaagcct ttcttgcctc aggggtgcag gatgaacctt tttaaaggag 300
tattttctcc atctttcttg acatgacaat gccctcgag 339
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<210> 2017

<211> 430

<212> DNA

<213> Xenopus sp.

<400> 2017

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gaattcggac tactacaggt ggggggcccc aaatacagcc atctgaacat ggaccttc 60
gtgttcctag aggtcttttg accaccatgt gaatcttata caggtatggc acatgcaatg 120
gaagaagttc aaaagttctt ggttccgctg acacctgagt cttttccata ccaggacatg 180
atggatgata tctgccagga tcagtttatg gatctttctt atcttaatgg agcaccacca 240
gagcaaaccc gaggaggatc aagaggtgga ccaaccaggg gccgaggggg cctccacct 300
cctgtagctc cttctctag aggaagggtt gggcctcttc gccctcttgt tccaagaggt 360
gcccttggtc gtggagccat aacacgtggt gccagtgcac gccgtcctgt acctccatct 420
gcttctcgag 430
```

<210> 2018

<211> 367

<212> DNA

<213> Xenopus sp.

<400> 2018

```
gaattcggac tactacaggt gaaaatttct agagttgcac ttgaaaacga atgaggctcg 60
aaagctaaat catcaagaag tggtagaaga agacaaacga cagaagttgc ctagtactg 120
ggaggcacgg aaagcccggc tagaatggga gctcaaaaac gaagagaaga aaagggaaatg 180
tgcagctaat ggtgttgact ttgagcggga aaagcttttg gaaataagtg cagaagatgc 240
tgaaagggtg gagaggaaaa agaaaagaaa aaatcctgac ttgggatttt cagactatgc 300
agcagcacag ctacgccaat atcagaggct gacaaagcaa attaaaccag acacgggaagg 360
actcgag 367
```

<210> 2019

<211> 345

<212> DNA

<213> Xenopus sp.

<400> 2019

```
gaattcggac tactacaggt ggagatgagc ggggaatgga cgaacgaccc gaggagacgg 60
gggaaaatac accggtataa agccccaaac acagagagct ctccaaactc agacgatcct 120
acgectgatt atatgaacct gctggggagc atattcagta tgtgtggtct catgcttaag 180
ctgaagtggc gtgcattgat tgcagtttat tgcctcttta tcagctttgc caattctcgc 240
agctctgaag acaccaagca aatgatgagc agcttttatgt taccatctc tgcgtgggta 300
atgtcttacc tacagaaccc acagcccatg tcacctaccc tcgag 345
```

<210> 2020

<211> 298

<212> DNA

<213> Xenopus sp.

<400> 2020

```

gaattcggac tactacaggt gaccttctgg aaagtacaac gccatgggtc ttgaactgtt 60
aggcccaagt ttagaagatt tgtttgacct gtgcgaccgg acgttcacat tgaagactgt 120
gctgatgatt gcaatccaac tgatctcaag gatggaatat gtacactcca agaacctcat 180
atacagagat gttaagccag agaactttct tatagggcgc cagggaaata agaaggagca 240
tataatccac atcatagact ttggactagc caaggagtat attgacccgg atctcgag 298

```

<210> 2021

<211> 289

<212> DNA

<213> *Xenopus* sp.

<400> 2021

```

gaattcggac tactacaggt gggggagcgg agacagtgcg cggggcacac ggagcggagc 60
aacagatata ggaatacgcg accttggttc acgttctatt gctgagacgc aaggggaagaa 120
caagggggccc caggggaaacg agcgacggat aagaggatcg gggtaaatgg tgattggagc 180
ccgcaggatg caccgccttt ggtcttttct cttggtgctg tgcccagttt tgcaggcaca 240
acaattact gtcaacqaga agatgactgg taccttgagc cagctcgag 289

```

<210> 2022

<211> 531

<212> DNA

<213> *Xenopus* sp.

<220>

<221> unsure

<222> (284)

<400> 2022

```

gaattcggac tactacaggt gctccaccaa attcgtgacc tatttctgtg agcaagtget 60
tcccatcttg agctctctca ccagcccgag tgaaggcatt gatgtccagc tagaggtgtt 120
aaagtgtgtg gctgaaatga gctcctctct tggcgacatg gataaacttg aatccaatct 180
gaacaaactg ttcgacaagt tgcctggaatt catgccactt cctcctgaag aggttgagaa 240
tggggacagc gctgccaatg aaagacccaa acctcaqttt agcnargttg aatgtttact 300
gttcagtttc caccagctcg ggagaaagtt gccggacttc cttattgcta aagttgacgc 360
agagaagcta aaagacttca aaatcaggtt acagtatltt gctcggagtc tccaagtcta 420
tattcgtcag ctccgcctca ccttcaggg aaaatctgga gatgctctga aaacagaaga 480
gaacaaaatt aaagtctttg ctctgaaaat aaccaacaac atcaactega g 531

```

<210> 2023

<211> 408

<212> DNA

<213> *Xenopus* sp.

<400> 2023

```

gaattcggac tactacaggt gggtacacca baaagtaaaa ttgtatggat ttctgaagcc 60
ttgtgcattg gatgtggtat ttgtatcaag aaatgtccct ttgtggcttt gtccatgtgt 120
aaattgccaa gcaatctgga gaaggagaca acccacagat attgtgcaaa tcccttttaag 180
cttcacaggt tgcctattcc ccgacctgga gaagtacttg agttgggttg taccaatggc 240
atcggaaaaa ctacagcatt gaaaattttt gctggaaaagc auaagccaaa cctgggaaag 300
catgatgata ctccagantg gcaggagatc ttgacctatt ccaggggttc agagttgcaq 360
aantacttca tcaagattct ggaggatgac ctgaaggcca tccctcag 408

```

<210> 2024

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 2024

```

gaattcggac tactacaggt gttatttggc aaattcagtg atgaattctag atccagagca 60

```

```

tcccgtgact agagaccaca tggggaccgt tttaaatcaa gtgcggcaga aactttacca 120
qttcttgcaa gctgaacctc agaatgcttt acaaaaacct gctcgacgtc tggtgataat 180
gctacaagga ctggtgcctc ctacactgaq ttaaagatcc tgcaatgaaa atattttaatt 240
gtgatccaaa attaccaaca tcttcaggca attcccattg ttaaaaattg aaagcattta 300
ttttagtata cgtccgtgct cgag 324

```

<210> 2025

<211> 276

<212> DNA

<213> *Xenopus* sp.

<400> 2025

```

gaattcggac tactacaggt ggagaaagac cataaaaggaa aggaaaaggt ggagagaata 60
aaggatcata gcagtcaccac agatttttgca atgaacgagc tagaaaaggc ctatcggaaa 120
agccagtcac caaaacgttt caaaatgcga gaggggattgg ataaattaaa actggcagag 180
ctgcgttttg ccaaagagga agcagaacag gagaaaaaag ggcggtccag aaaggattcg 240
gacagcgact ccaaaaacca agacccaaac ctcgag 276

```

<210> 2026

<211> 430

<212> DNA

<213> *Xenopus* sp.

<400> 2026

```

gaattcggac tactacaggt gctcgtatag acaaggggga gccatcacatg agcatccagc 60
ctgctgaaga tccggacgat tatgacgatg gattctccat gaagcacaca gcagctgcc 120
gtttccagag gaatcacaga ctgatcagtg aaattctcag tgaaagtgtg gtgcccgatg 180
tccgttcagt agtcacgact gctcgaatgc aggttcttaa aagacaagtt cagtcgctca 240
tggtgcacga gcgcaagttg gaggcagaat tgttacagat agaggatcga caccaggaaa 300
agaagagaaa attcttgga aacaccgatt cctttaacaa tgagttgaag cggctctgta 360
gtttgaaggt ggaggtggat atggataaga ttgcagcaga gacgctcaa gcagaagatg 420
caggtccgag 430

```

<210> 2027

<211> 466

<212> DNA

<213> *Xenopus* sp.

<400> 2027

```

gaattcggac tactacaggt gatctcatta aagttactgt gttctgcagg gatattgcta 60
tctactatg ctgttccatt tgggtcgatc aggcggggcc accccccttc ttctgtttaa 120
gtagtctgg gaagtggatg ggtgctgatg ggcagagaag cacttgtag tagactgcta 180
ggcctgtcct cctgtagcat tgtctctgaa ctttaagctg ctgtattttt gggttacatg 240
aaaagtctta ttttatgagt ccaacttaaaa ttgcattcct ctagtgtaac aaqccaggac 300
agagcctggg tgcgtgtac atagtggcta cactctcttg atacacaaag tgaattagtg 360
tccatctctc cagtaaacaa tgtcagaagt tcttaaaatg ttgtttata ctgtctcttt 420
ctttttttac taaaacatgc aactattgta ctgaagtgcac ctcgag 466

```

<210> 2028

<211> 486

<212> DNA

<213> *Xenopus* sp.

<400> 2028

```

gaattcggac tactacaggt gtggaatgtg acacaccaag cgggacgaac aacagcggtta 60
gtaagaagcg cttagaggtt aagaagtggg atgcagctgc gctttggggt tgggacattg 120
tagtggaaca ttgtgccatc tgcaggaaac acatcatgga cttgtgcata gagtgcacag 180
caaaccaagc ttctgtactc tcggagggaat gtactgtggc atgggggtga tgaatcattg 240
cgtttcactt ccaactgcatt tcgcgtctgt tgaagactcg acaagtttgc ccgttgata 300
atagagaatg ggaatttcag aagttacgtc attagaagct tcgcatgcac agatgtgaag 360

```

cagtgtcacg gctgcagcct acctcagtcg ggcagaacat tcaactgctt tccggttag 420
 cactttgtca attatgatct ctgacctgtt cgtcatgttg acacacaacc cacttcccc 480
 tcgag 485

<210> 2029
 <211> 347
 <212> DNA
 <213> Xenopus sp.

<400> 2029
 gaattcggac tactacaggt gactgtgtgg gggctgggga gacacagaga gggagagaat 60
 gcctgtctga gcctgcagtg tgcgcgcgc cactacgacc acatggtaaa cctaataact 120
 aggtaaacct agtcagtctg tgcctcaatt ctccaaaact tgtcttttct ctctgtctgt 180
 cagagtgcgc tccagagggg tgtaggagag agaggggatt gaagctgttc tgcctgcagag 240
 tagtgcctgtt aatagaatga aggagctgtg gctgaagctca gaactgagat gacactgttg 300
 ctgctttttt tgcacaaaaa tttgagcaaa agaggggcct gctcgag 347

<210> 2030
 <211> 302
 <212> DNA
 <213> Xenopus sp.

<400> 2030
 gaattcggac tactacaggt gctatgtccg acctccagga gcagtatatg gaaacgaacg 60
 ccgagaacgg ccacgaagct tgtgatgccg aagcggccga gggtaagggg gccgggggag 120
 gccaaaacga cgcgaaggc gatcagatta acgccagcaa aggcgaggag gaggcaggga 180
 aaatgtttgt cgggtgcttg agctgggacg cgagcaaaaa ggacttgaaa gactactttg 240
 aaaagtgttg tgaggtgtct gactgcacaa tcaagatgga cccaataag ggagatctcg 300
 ag 302

<210> 2031
 <211> 355
 <212> DNA
 <213> Xenopus sp.

<400> 2031
 gaattcggac tactacaggt ggaagaaaaa tttggccagg cagagaagac tgaacttgat 60
 gctcacctgg aaaatcttct cgcgaaagct gaatgcacaa aggtttggac tgagaagatc 120
 atgaagcaga cagaggtgct gttacaacca aatccaaatg cccggataga agaatttgtg 180
 tatgagaaac ttgaacggaa ggcaccaagc cgtataaata ccgaagagca attagctcag 240
 tatatgaatg atgctggtaa tgagtctggc cctggaaacag cgtatggaaa tgcctctcatt 300
 aagtgcggag aaacacaaaa aagaatagga gtggctcaca gaggacttgc tcgag 355

<210> 2032
 <211> 334
 <212> DNA
 <213> Xenopus sp.

<400> 2032
 gaattcggac tactacaggt gctctccgca gcccacaacc tccggccaag atgtacggc 60
 tgtatgagca ggtctcctat aacagcttca tgcgagcgc catctacatt gtcctggggg 120
 gctctctctt ctgtcaagtg aaactgaata agaggaaaga atagatgggt cgttgacctg 180
 cccccagttc agctagaagg tggctctgac cactctgaaa ccaaccctcc cacttcttct 240
 ctatgtttca atcaagccac cgcctcagca cccacttaaa ggggtctgtc accttttaat 300
 gaactctctg tacgatgaag agaggattct cgag 334

<210> 2033
 <211> 354
 <212> DNA
 <213> Xenopus sp.

<400> 2033

```

gaattcccat agcaacaaac agtagaacac acagctgttt actggacatt tagaggactc 60
cactttaccc gctctcattt tgcgggtcttg ccgcccgttg atctggatat cgaggteget 120
gatcaaaaac aaaaagtget tttcaagaat atgttttttg caagtttate gaagcctggg 180
aagaaccaag gaggatgggt ttgctcttca gatttgggaa agagtcgagt cgtccagtc 240
gccaacgttt tagtagctgc cgtctcccaa acagccctct gtgtttttgt atgtttttgt 300
gttacgggtg ttggtttcat ggacatcgac aacgttttac cagcaaacct cgag      354

```

<210> 2034

<211> 384

<212> DNA

<213> *Xenopus* sp.

<400> 2034

```

gaattccata gcaacaaaca gtagctttta tacatgttag gaaaggaagc cccccccct 60
atgatataatt ggattatttg tcaagacacc caactgctgc aagaagagaa acagatgccg 120
aatataaactt gatttcagaa acaatgcaga attttaaatt gattgtattt agaaagtgtg 180
atactttagt atgaggagac aaattacatt ttgcgaatag ttacctaag caagcatctc 240
catatttaaa cttggagaat tcaaccgtaa attaaaaata cctacagcc ctaccctaca 300
cataccctcc cagcctagct gttactccgg gcaaatgtcc aggtttttgt tcatccctcc 360
ggtgcagatt ccgtccagct cgag      384

```

<210> 2035

<211> 338

<212> DNA

<213> *Xenopus* sp.

<400> 2035

```

gaattcccca tagcacaac agtaccagct tccagctggt gccacagagg aaatacactg 60
acaacttcaa aacttgataa cgacaagaaa ataaaaatag aaaaatgctg agagttagca 120
ccatgtttat cgtctgcgct ctagcattac atccacttta tgtctatgga gatgatggaa 180
aggggggctg tgcgcctaatt caagtctgga attcttgtag aactgcctgt ccttgaatt 240
gtcagaactt cagaaacca ccagatgtgt gcatattgtc ctgcaagaga ggggtgcttct 300
gcaaggaacc ctatattttt caaatgggg gactcgag      338

```

<210> 2036

<211> 364

<212> DNA

<213> *Xenopus* sp.

<400> 2036

```

gaattcccat agcaacaaac agtacacagg tatattgaaa tcttcaagag cagtcgggct 60
gaggttcgta caaactatga tcttcccaga aaactctttg gtatgcagcg accggggcca 120
tacgacaggc caggagccgg cagaggctat aataatttag gcagaggttt tgaccgaatg 180
agacgtggag catatggagg aggttacagt ggatatgaag attataacgg atataatgaq 240
tatgtttttg gtgcagatca gagatttggg cgtgtgtctg ataatagata tggagatggc 300
agcacgtttc agagcacaac tggccattgt gtacacatga gaggaactcc ccacagaact 360
cgag      364

```

<210> 2037

<211> 582

<212> DNA

<213> *Xenopus* sp.

<400> 2037

```

gaattcccat agcaacaaac agtaggcgct aatatacctg cgtgtgacgt caccgatccc 60
gaaagagata ggaactggag ccttgagtaa agaataattg gaggaagtcg ggctgttgcg 120
cagaattctg aactattgat caaacgctct accaagtctc acatagaaca gcgtttgggtg 180
gtgaactgat ttccgttaagt gaggcgcctc ttatttcttc aggaccgggt actgatccgt 240
gtcttccggg cagaccgaga taaacaaacg ggccctcagaa accaatcggc agactccatt 300
cgtctgttac agccgccta cgcggatccc atagtaangg cgggtgtggt ggggtggcctc 360

```

ctgctgctta tgttcccttt ggcgctggca cagcagcagc cagcatgtga tggatactcg 420
 gtcttggatg ggggttggtct gcctgcgata ggtacaccgg ctccgcagct aatgattgag 480
 ctagactcat caccgggtcgc caactccgag caggactgtt gggatctttg ttgttccacc 540
 gagcgtcgc aactggctga gatgtccgag ggaagcctcg ag 582

<210> 2038

<211> 114

<212> DNA

<213> Xenopus sp.

<400> 2038

gaattcccat agcaacaaac agtagcttgg cggctctcag gtttgtgtag ttgtgaaatc 60
 atctgcctgc agttgtccat gttctacaaa ttcagttttg tagtctgtct cgag 114

<210> 2039

<211> 344

<212> DNA

<213> Xenopus sp.

<400> 2039

gaattcccat agcaacaaac agtaaaagct gcccgggtca gtcacatgca ggatcccttc 60
 ccttggggaa atgtcaccct tctatcaga tgctaaagcc cttgcaaacc tttagcaatt 120
 cctatgtaaa tatataaac tatgattttt ctccgatatg tgtcctttta gagcaatcta 180
 gctttaatag gcaagctctt gagtgtgag cagtacttac atagggaaca gaggagccct 240
 tattgcctgg caggaaaatg ttacaaggcc tctccagct ggcagccatt gtgggtttgc 300
 cagaactgca catctctgcc acatggcctc accccacct cgag 344

<210> 2040

<211> 304

<212> DNA

<213> Xenopus sp.

<400> 2040

gaattcccat agcaacaaac agtaagttcc tgttgtgagt ctgggtgagt tcgctgaggg 60
 aatggagcga ctgtgtgtct tagtgggtct ggctctcttc tgccgggttc gtgcctgga 120
 caccctgggt aactgtctct tcccagacct ggaaggcacc tgggagttcc aaataggaga 180
 gggcaccggg gcaactcggg acaagaccat tgactgtctc cagttgggta aagtgagaac 240
 caaactgaca gtcacactga aagaactgaa cattgtgtgag gatcagaatg ggaacgtggt 300
 cgag 304

<210> 2041

<211> 405

<212> DNA

<213> Xenopus sp.

<400> 2041

gaattcccat agcaacaaac agtaaggaga tcttcaactc ctctgtggata aggaagttag 60
 agcatgggtg ttgtggggaa gacagagccc ttgtgggag gtgtttgagg ggcattgttc 120
 ctgggtgatt gcatctactt cgacagaaaa agaaaggaatg accccaactt caagaacagg 180
 ctgcgagaaa aaagaagaaa acaaaagatt gccgaagaga gacagagaca gtcaagggtta 240
 ccagatctta aagatgcaga ggcgtgttcaa aaatttttcc ttgaagaaat tcagcttggg 300
 gaggagtgtg tgggtcaagg tgatcttcaa aagggtgttg atcacttaac aaatgcattt 360
 gccatttttg gtcagcttca gcaatttcta caqgtaatgc ccgag 405

<210> 2042

<211> 251

<212> DNA

<213> Xenopus sp.

<400> 2042

gaattcccat agcaacaaac agtaagctgg agaagccaga ggagcctggg acaagacatg 60
 tgagggaatga agaccagagt ggaaggcaga gatgaagcgg aactctattc ccttgccttt 120
 ttggtacact ggatgagtga ggagaactac attttcacct gtcagctctt caccctgttc 180
 tgctaaactg gttacagata gaacctgtgc atccttctcc attccttaaa ttagtacatc 240
 actggctcga g 251

<210> 2043

<211> 291

<212> DNA

<213> Xenopus sp.

<400> 2043

gaattcccat agcaacaaac agtaaaaacc aaaaaagagc aggcgccaga agaagagacc 60
 cctgtagatg aaagtacaac agggtcctcc caggaacctg agaccaagga tggaagccgcg 120
 gaaacatctc cagaagcagc tccagagaat ggtgaatgtg acacagcagc gccctctagt 180
 gataatacag aggaagtaca gcctgagcct gctgccctcc ctccaactga agattccctc 240
 aaacctgtag agagtgaagc caacacagaa gccccagcg aacctctcga g 291

<210> 2044

<211> 360

<212> DNA

<213> Xenopus sp.

<400> 2044

gaattcccat agcaacaaac agtagtggtc agcaccaaat tgcagggttg ttaaagggtt 60
 caaaggggagc agcacagcct ccaaagacca gattacaaag ctatctaagc tcaatgaagg 120
 ctgagaagta aatcccttga gaagcatctc ccatagattt gcttaccctg ctaccagctg 180
 tcccttaccg tgggagggtc aagaacggca tagtggtgtg cattatatcc tccagttact 240
 ggttctgcag gtgtaattat gaggcactgt ccactttgac tgcctgtctt tatgttccct 300
 ctgccccaga gtccaatatt cctctcctag gttgtcttcg tagatataga gctactcgag 360

<210> 2045

<211> 281

<212> DNA

<213> Xenopus sp.

<400> 2045

gaattcccat agcaacaaac agtaaattta agtatattct ggcaaatctg gttagctttg 60
 tgccaagcaa ctgggtcaaag gggcgggggg tttaaataaa ctaagtttgt ttgaaacct 120
 aaactgcatt acactttgtt ctctggggca ctgataatta atatctgcaa tcagattaat 180
 tgccgttaaa tgcagcagtt tctagaggaa cacaactag ttaagtagtg tttgttcaca 240
 gatgtataaa taaagtgtgc aggtgcttgc ccttactcga g 281

<210> 2046

<211> 467

<212> DNA

<213> Xenopus sp.

<220>

<221> unsure

<222> (71)..(72)

<400> 2046

gaattcccat agcaacaaac agtaggaggg gatccccgtt tttgagaaga agaaaaagaa 60
 gaaacaggtc nnatgcgagg ggcctgagaa ccagccacag tgggaaatga acatgagga 120
 agacctgctt gagagcggca aggagagaat cctgaaacta ctcaacacgg gctcagtaaa 180
 ggaactgaaa tccctgcaga ggatcggaga caagaagccc aagctgatta ttggctggag 240
 agaaqtcaat gggcctttta agaattgtgg agagttggcg tgtttggaag gaatctctgc 300
 taaacaagta tcttctttta taaaggcaaa tatcatgagc agcatcgcca gctgaaacct 360
 gtacacatcat caggtcggcg cccgggtcat acacgctcna agggccactg attttattcc 420

tcaccaacaa cttgaaatcc ctgagcttcc tatggcaaaq gctcag

467

<210> 2047

<211> 294

<212> DNA

<213> Xenopus sp.

<400> 2047

gaattcccat agcaacaaac agtaaatgat tattgttatt tttttttttt ttatttcaca 60
gcaatagaac atacatttgt tgtttgcaca gagttgcaga gatttccga tgggtcgcct 120
gacctgattt tatttatgtt tttatttgat gttgcacaga atatgaattt ttggaaataa 180
tttatccccc ggcaaaaaaa cataaaagtg gagaatgcag ggaccatttc taaactccct 240
cctatataac cattatccat ctgttacttc agagcaata ccactcgaact cgag 294

<210> 2048

<211> 525

<212> DNA

<213> Xenopus sp.

<400> 2048

gaattcccat agcaacaaac agtacaggga tgtcgcctatg taaaacagaa gggcaccatg 60
tgtgcgttat ggtctgctt tattttctat ctgagacaaq cgttgcttgc cctgtcaaca 120
aaatattatt ttattgacac tttatgaata gagtgtctagc ctttttttgc actgtcatgt 180
tgtagaatgg accaaaaata accagcagac ccatgaacat tgcctaattt tttctgatg 240
ttgcaactg agtggccgga cacattttag gagtcaagca atcatacaag ttctacattt 300
cctactagat cctctcaatt catccctaca aatgtacagt acctggccat taaagggqaa 360
ctaaagtcta aaatagaata atgctagaaa tgccttatct tgtgtactaa acatgaactc 420
actgcaccag aactatgtta aacatctctg caagaccaag actgtgcaca tgcctcagtgt 480
ggctctgggt tctgttggga ggttaagctt agggatttac tcgag 525

<210> 2049

<211> 415

<212> DNA

<213> Xenopus sp.

<400> 2049

gaattcccat agcaacaaac agtaagaagt cctgtgtctgc ttatccagct gcaaaatgcc 60
caactgggga ggtggaaaca aatgtggagc ctgtggcagc aatgtttatc atgctgaaga 120
agtgcagtgc gatgggaaga gttaccacaa atgctgcttc ctttgtatgg tatgccgaaa 180
aaacctggac agcacaactg tagccattca cgatgatgag atttattgtc gatcatgtta 240
tgggaaaaaag tatggccga aaggatatgg atatggccaa ggagctggca ctttgaatat 300
ggacagaggg gaaaggcttg gcataaaqcc qgaggaaaat ctggcagggc aqaataccag 360
ttcaaatcct tctaagtatg ctcaaaagct tggaggtgct gagaaggacc tcgag 415

<210> 2050

<211> 414

<212> DNA

<213> Xenopus sp.

<400> 2050

gattcccata gcaacaaaca gtagccggaa ccatgatcgc taggggtgta ggtccctcgt 60
accagaaact ggcaagaac tgggtctctg tcttagccac ctggggatca gtaggaacaa 120
tgggactgat atgggtaca gactggaagg tctctcttga ttatgttcca tatgtaagta 180
gaaagtctaa ggatgaqaaa taaactttta ccgatccact gtctactatg agcatgtcct 240
ggatttggcc cagatcacia aatcttccgt gtccagtatg ttaatgcaag gaaatggaca 300
gacctctctt acaccttga tgaagctgct tatttatgaa taaatgttgg acttgcgtat 360
ttcagaattta tttgctgaaa tgtattggtg tctactttta ctgtactgct cgaq 414

<210> 2051

<211> 432

<212> DNA

<213> Xenopus sp.

<400> 2051

```

gaattcccat agcaacaaac agtaattccc atagcaacaa acagtataaa tttgccagta 60
ccccaatgt gcaacaaaga gcaaacagct gtggagcaag tgccagagag ttctcaagtg 120
gagaaagtgc ttgcttttga gcacatgcct gagccagaga gttctgaact ggaagtggaa 180
cataagtctg agccagagag ttccgaactg gaagtggagc atggagagaa agtgcttctt 240
gtggagcaaa tccctgagcc agagagttct gacttagaaa tggccaatca ttctgttgaa 300
caacaaaaag ttccagcgga tgtattcttg actgcagctg atgccccaat actcccttcc 360
tcgcccacac caaatataca gaaggaaaat gaggaggaag cacctaagga gccagagcat 420
ggtacactcg ag                                     432

```

<210> 2052

<211> 364

<212> DNA

<213> Xenopus sp.

<400> 2052

```

gaattcccat agcaacaaac agtaagcaat tgaataattt gcattcagta agatacttaa 60
ttaaatggta acctccctct taatgacaca aggcatgcta aatatcagat ccctcgccag 120
gatgagatag aaatgtagtc gcatatttac acaagggcaa aatcgaatcc taagtctctc 180
cagcagtggt ggaaacacaa cgtagcagtt ctgttaaaaa actaatggac ctttcagtgc 240
acatcaaaga caagttcact ttctctctcc atctgaactg tgcattgtgt aatcaactgg 300
aagtgcacatt gcattgttga aacgggatag gaacctctct cccattgcac ggcaataact 360
cgag                                     364

```

<210> 2053

<211> 393

<212> DNA

<213> Xenopus sp.

<400> 2053

```

gaattcccat agcaacaaac agtaagttaa tggccacgtt ctattttatt ttgaaatga 60
gacttgctgt tcagcattgc cagtataatc agaaagagga ctctgcagca atgttgagaa 120
tctacttacc tagacaacgt cattgagaag atttgtggac cagaatctgt ttttatgtct 180
gctgacttga aatccctttc ttataataat tggactgggt aggggtgttt ccagcaaagt 240
actgtattat tgtgattgta acaccacaca gaagaacata taggattaag ctatttgcca 300
gatgcacaag tagcattgct cccgatgtgc tgattaggat atctgcataa aatgtgcttg 360
tgtgtatacc tcaataaatg ttcaaccttc gag                                     393

```

<210> 2054

<211> 332

<212> DNA

<213> Xenopus sp.

<400> 2054

```

gaattcccat agcaacaaac agtagcgcta aagcgacacg ataaacacag tgggagatan 60
aaagtcctga ggcacagagg cgcctgcccc tctcactctc cagtggaaatg atcgtactac 120
tcgcgcgtgt gttctctgct ctgctqgttt tctctcaagg agcaaaccca tgcctgttaa 180
atccctgtca aaaccaaggg gtatgcatga ctgttggttt tgaccgctat gaatggagct 240
gcacqagaac tggctctctat ggagaaaact gcaactaaac ggaattttta tcatggttga 300
ggctgaagct gaagccgacc cccgtactcg ag                                     332

```

<210> 2055

<211> 383

<212> DNA

<213> Xenopus sp.

<400> 2055

```

gaattcccat agcaacaaac agtaggactc taaatctcat agtttttact tacaagggac 60
acccacgttg actccatctc tctcagtcgc ccacccgctg taagtctggga gtctctctctc 120
tgccagttca agtcttgaa cttttttctg aactcttgaa gatctttctg cgcacagtca 180
atcatatgaa ccaggttctc gttattggct tccagacgt tgcagccgtg ctgggacatg 240
aactccaagt tctctattct gacggcctgg tgttccagtt gggccatcga attattgaca 300
cattcctgcc aagccgtgat gtcattctc tggccggatg agggggccgg taactcatac 360
ctcttcatgc tgagaagctc gag 383

```

<210> 2056

<211> 324

<212> DNA

<213> *Xenopus* sp.

<400> 2056

```

gaattcccat agcaacaaac agtaaggaga aaccatcaca tctgtcctga aaaccgggaa 60
ggaaagagga tcccaactat ggataagagg ggccccatcg taaccttttg cctgctgctg 120
ctgatctcca agatatcggc agaagacgtt tgcgagagtg gcctctacac aaacagcggc 180
aaatgctqtt ccttgtgccc agcgggattc ggggtggtgg ttccttgccg agattcagat 240
actaagtgtg aacctgcat agagaactct actttctctg atgtcagaag cgcgaaggca 300
aagcgcacgc cagtggttct cgag 324

```

<210> 2057

<211> 450

<212> DNA

<213> *Xenopus* sp.

<400> 2057

```

gaattcccat agcaacaaac agtacatgaa tcaaaattct aattcctgag aatgagacat 60
tttaattccc ctttctgtgc ttccacattc tctgaactac gtccaataat tctaattttg 120
cagtgatatt tgtgccccta caaaagaatg cgttttcttt ctttattttt aggattttat 180
gagctgaatt atgggacttc aggatccctc tccaattctt ccaactcagt gttcagcgaa 240
tgtttatcca gctgccactc cggcacctgc ttttgcaacc ccttgggaaac atcattaaac 300
ctcacagatg gtcaagcaaa gtctgcagac gaatttcttg aatgcttqga ctacagagaa 360
agtcacatg aaactggcac agttcgcgc tctttttctg caccacattc caactctgtc 420
gacattgggg cagatgtgca ctccctcgag 450

```

<210> 2058

<211> 494

<212> DNA

<213> *Xenopus* sp.

<400> 2058

```

gaattcccat agcaacaaag agtacaactg cagagaaaat gaagcttctt cgagcttgcc 60
tgctcctgat ctttttttat ttatctgca ttacagattg tctacattc agatttgcat 120
cttattatgc cagccacatg gttttgcaac agaagccctc acaagctgtt atagggggt 180
atggagaaat tggggcttct gtcacagctc ctctttataa aggacctgag accattttta 240
aaaagtctgt tgccataaat gacgatgcag gtgtctggaa agtactgctg gctcctgttg 300
atcatggagg accctactgg ttacttgcct agcaacatta ccagaaagac attactgatt 360
tggccctgca cgacattttg ttgggtgag ttggttctt tgggtggcag agcaacatgg 420
agatgacgtt ttcacaggtt tttaacgtg gtaaaqaact ggcataaagt gctgattanc 480
ccaacacct cgag 494

```

<210> 2059

<211> 141

<212> DNA

<213> *Xenopus* sp.

<400> 2059

```

gaattcccat agcaacaaac agtaccata gcaacaaac gtaggcagct tcttctctg 60
aggagttgac taatttgata aattccagc caaatctta ggatcccgag gacgatcagg 120

```

atgaagccac tgttgcctga g

141

<210> 2060

<211> 549

<212> DNA

<213> Xenopus sp.

<400> 2060

```

gaattcccat agcaacaaac agtacttccc atagcaacaa acagtaattc ccatagcaac 60
aaacagtacc catagcaaca aacagtaccc atagcaacaa cagtaattta ctgtcctagt 120
agctgcatta gactgtaact tatttgcccc gtctcctaga gaagttaata tatgtccctc 180
ggacacgtga ccacgatttg cactagtgtt cattccggct tgtgaattgc tctgtggaaq 240
cagtgaagcc cccaacacc tgactgectg ggattcccat ccccqagga gcaagtgate 300
tgaatggggg gcaactaacc accaacaact ctatttgcta aactaagctg caaacccaga 360
gagcaccccc tcacctcttg tgagtggaca gaaatcttta ttgggggtcc taaattgccc 420
cgttgcacc ccaaatcttt accattgate tcttttaact gtgtcgttaag taccaccaat 480
tgcctctttt tcccccaaag agatcagaga gaaatgcctt tctctaaaat ctccagcctc 540
atgctcgag                                     549

```

<210> 2061

<211> 410

<212> DNA

<213> Xenopus sp.

<400> 2061

```

gaattcccat agcaacaaac agtaggggtt tcatcatctt acaacagtac aaacaagggt 60
ttcaacatgg ctgccattcc atccagtggg tcaattgtcg caaccatgt ctattaccgc 120
agacgcttgg gatccacttt cagcagcagc tcatgtggga gtgtggacta ctctggagaa 180
gtcatccctc accaccaggg tctcccgaaa gctgatcctg gtcactgggt ggccagcttc 240
ttttttggaa aatccacca tctgtcatg acaaccgttt cagaatcccc agagaactca 300
ggaagtcttc gtatcaccaa tggactgggt ccatgtggcc tgactcaaga gtctgtgcag 360
aagcaaaaag tcagtgaetc caagtctaac tccagccccc ctgcctcgag 410

```

<210> 2062

<211> 433

<212> DNA

<213> Xenopus sp.

<400> 2062

```

gaattcccat agcaacaaac aqtacagcat gttgcagtgg aagaaaaaaa tcttgaaaag 60
tgteggatcc tttctctgcc tgcctgatcc atttacattt cttctgaatg ggacatctcc 120
tggactgttt actcaggacc agcaaaagga ttctgggtct cagatgttaa gtaatcaaaa 180
aagggacact taccatgccc cagatgggtt ctgggaaatc aaatccaaac ttgggtctac 240
aaaagcaata ccgaaaacag aattgcagcc aacagagtgg gatatttact ctactaactg 300
ttctgccaac tggaaatatta ccaaaatgga atgggtataa tcaattggaac cacatttcca 360
acagttcatt ctctaccgac actgcgcgta ctctcctatg attattaaca accagcagaa 420
atgcagcctc gag                                     433

```

<210> 2063

<211> 378

<212> DNA

<213> Xenopus sp.

<400> 2063

```

gaattcccat agcaacaaac agtactcatt attcgtcttt atcggaggag ccgggggtcgg 60
cggtaactgat gtgggttcgg agaagggaca ggtataggga cagatataag gacaggtgta 120
gggtttccag gtgaaactag agccggagtt tctcctctgg ttgagattga aggaggggac 180
gtccgaacgg tctgacctgc tggggaaagag gataaagaat ccggccgagga agcattatt 240
attattatta agtcggacag tgcgaagact ctgggtctcc tctgttggag gatgaagttc 300
gtgtcgggtc tgagattggg ggcagcgcta atgtgctctg tctgtgttaa acgagcccaq 360

```

aatccaggag cgtctcgag

378

<210> 2064

<211> 280

<212> DNA

<213> Xenopus sp.

<400> 2064

```

gaattcccat agcaacaaac agtaaattct tgcaagtggg ggaccacaag cgttggtaaa 60
tatcatgagg acttacagtt atgagaaant tctgtggacc acaagtcggg tgcttaaggt 120
gctatccgtg tgctctagca acaagccttg tatagttgaa gctgggtggaa tgcaagcttt 180
aggactccat ctacacagct caagccaacg tttggttcag aattgtcttt ggacactaag 240
aaacctttca gatgcagcaa ctaaacagga ggctctcgag 280

```

<210> 2065

<211> 316

<212> DNA

<213> Xenopus sp.

<400> 2065

```

gaattcccat agcaacaaac agtactgtgt gtgggtccgg agagctgcag ggtcaagagg 60
gggtctccgg ggcttqctgg tgaacttggg caacatgagg aagttttggg caatcggctt 120
ttgttgtata ttattggctt ttgcattctt tcaagctgaa gatqaagttg aagtggatgc 180
tactgtagaa gatgacattg gaaaaagtag ggaaggatct agaacaagat atgaagttgt 240
aagcagggaa gaggaagcaa tccagttaga tggcctcaat gctgctcaaa ttaaagaaat 300
acgggagggg ctcgag 316

```

<210> 2066

<211> 333

<212> DNA

<213> Xenopus sp.

<400> 2066

```

gaattcccat agcaacaaac aqtacacacc agcaacacca tgaggatagg agccatcttt 60
gggttgggac ttgcattatg tggttcaaatt cgtgaggatg ttctgacctt cttgctttca 120
gtgatggggg atttaaagtc cagtattggg gttgttggag tgacagccct tgcctgtggg 180
atgatagctg tggatcctg caatgtgggc gttacatcca caattctaca aactatcatg 240
gagaaattct aacaggagct aaaagatata ttgtctgctt ggttgcactt tggcctaggg 300
ctgaatcact tggggaaggg tgaagcactc gag 333

```

<210> 2067

<211> 313

<212> DNA

<213> Xenopus sp.

<400> 2067

```

gaattcggac tactacaggt ggggcagaga aaatccqcca tgaaggacgg aaaagggaac 60
gggaaagcga aqaagcattg gaqacccctac aagcaaaagt tgatggcagg cagtcagaaq 120
gaaggaaaaq ggttttcttt gtggagaaaa caaaagatcc agctggaata taaaaaacta 180
ctaaggaaac aaaaqaagtc cagtactgtt aatgaagatc ttacaaaaga caattacctt 240
aaacacttga agcacttgta cctagctaaa aaagaaatgc taaaaaagaa agaaqaaggt 300
aggaaacctc gag 313

```

<210> 2068

<211> 412

<212> DNA

<213> Xenopus sp.

<400> 2068

```

gaattcccat tactacaggt gattacacct ggggagagac aaatgaccca aaatccaggg 60

```



```

ggaagatcta caaggagctg tgcactgca agctggcggg gtgaggccac ggcgtcttcta 120
acgtgagaca aacgtgtgca tccaaactgc gccattattg taggggaccc tgcggagact 180
ttttacttgc ggtgggtggc tctccggggg ctgcgctgat cctcgtcttt gcccttccc 240
ggtggaccgt actacctgtt taccctcagt ggtgcctcgc ccacctgtac attgaaggat 300
tctgtggatc aattccaggg gggagtcctt gctgcgcctt ttcgtcgggt gatcgtcttt 360
cctcgtcctt cgtgtccctt gccctctcca caatccccc ccaaaactcg ag 412

```

<210> 2069

<211> 310

<212> DNA

<213> *Xenopus* sp.

<400> 2069

```

gaattcggac tactacaggt gacccacccc tgcgtttaac cctctttttg ccagtgtgtc 60
aacaagctgg gaaagagttg ttaaatcagt ctgtagcatg ggaaagctgt gaaactgtac 120
agttaagatt atgtatttgc ctttaatttg gactgttccc ccccccccc agtttgcttg 180
ttatcatctg tgtctgagct gcctctgtaa tatggctcgc tectaaacct gggactctgc 240
agtgtattag aataccttac ccccttccct tgttaggtct tqattttaaa taaagaacca 300
agtgcctcag 310

```

<210> 2070

<211> 315

<212> DNA

<213> *Xenopus* sp.

<400> 2070

```

gaattcggac tactacaggt ggaattccctg agtttcaactg agcgcctacc gagcatcgtc 60
tacaatatcc tctcttccag tctgactagt gccctgggac agacctttat ctccatgacg 120
gtggatatatt tcggcccgct tacttgcctc ataatacaga caactcggaa attcttcacc 180
atcctggcct ctgttatact gttttctaat ccgatcagca gcattccagt ggtagggacc 240
atcctgggtg ttttaggtct gggactggat gcaacgtatg gaaaaggatc caagaaaccg 300
ccccactgcc tcgag 315

```

<210> 2071

<211> 345

<212> DNA

<213> *Xenopus* sp.

<400> 2071

```

gaattcggac tactacaggt gcattcaaca gaattggaaa gttegaggcc aggttctttc 60
atgtggcctt tgaggaggag tttgggagag ttaaagggtc tttggggcct attaacagtt 120
tggcattcca tccaaatgga aagagttaca gcagtggagg agaggatgga tacgttagaa 180
tacattactt tgactcgcaa tatttcgact ttgaatttga atcctgagac agttgcttca 240
tgcctgttta tatectactt aatttcgctt cacacacaca atttaattga ttgctcaatt 300
acatcatgca gattgtatac ttttacaata aatgggaaccc tcgag 345

```

<210> 2072

<211> 310

<212> DNA

<213> *Xenopus* sp.

<400> 2072

```

gaattcggac tactacaggt gttactttcc agggaaaaat taaacaatgt cttaactcat 60
tagagtatgt gctgtgcaga ttcttcccag ttgcctctgt gtttagggag acattgtaac 120
actacaaaaa tgcataatac actacttttc ttctctccac tgactctggt cttcactttg 180
aatagaaatc tcaggtaatt ggaaactatc ttgcctatac cagcatcatt catatacctt 240
tcctctctgt tgaacctctt tacaagtgtt ggaatcctga cgtttttctc tttttgggtg 300
gagactcag 310

```

<210> 2073

<211> 320
 <212> DNA
 <213> Xenopus sp.

<400> 2073
 gaattggact actacaggtg aaaatacaga gtggctttga ggattgcaaa ggacccatca 60
 tttgaacggc tgccttgctc tcacctgga acctatgcag atgactgcct tgtacaaaga 120
 gttactcagc acaaatgtta tattgtggct acagtggaca gagacctgaa aagaagaatt 180
 cggaaaatcc ctgggtgttc catcatgtac atctcaaacc acagatataa tattgaacga 240
 atgccagatg actatggagc tctctgtttr taagatttgc ttgttcggca ttcaaacctt 300
 tattataatg tggactcgag 320

<210> 2074
 <211> 406
 <212> DNA
 <213> Xenopus sp.

<400> 2074
 gaattcggac tactacaggt ggtgacactg tatgtgacag aggaaacttg cagtgggcaa 60
 atatcaatac gtttccccc aaataggaac attatcattc ccattggata aatctgccac 120
 taagtgtttg ggaatcaaga gaccagaga caatagagag cccaaggcat tctaattctt 180
 gttaaactac aactcacctc acttatttgc atagacattg gctttatcca ataacagtgc 240
 taagactccc attgccattg tactttctct gcacaagrac cctggaagtc tccccataa 300
 ctttgcctta attcagagtt tccatgtggg tagtgtatct tgaacctttg ctgtatgttt 360
 ttgagggcca aatcattctg atgtatactg caatgtgtac ctcgag 406

<210> 2075
 <211> 382
 <212> DNA
 <213> Xenopus sp.

<400> 2075
 gaattcggac tactacaggt gcaagcacag gaaacaagag targaanaaa taagtgaana 60
 gaagatgtcc actccagttg aggtgtgttg taagggtttt cctgcagaat ttgcuatgta 120
 tetgaactac tgcgcggctc tacgatttga agaggcaccg gactacatgt atctggagca 180
 actattccgt attctgttca gaacattaaa ccaccagtac gactacacat ttgactggac 240
 aatgttaaag cagaaggcag ctccagcaagc agcctccctc agtgggcagg gccagcaagc 300
 ccaaaccccc acaggatttt gaacatgaaa ggagcagaga tcacagacca ggctggagct 360
 ggacctgtca ctccctctcg ag 382

<210> 2076
 <211> 615
 <212> DNA
 <213> Xenopus sp.

<400> 2076
 gaattcggac tactacaggt gatcaggagt cggatttagt tgcctaggca caaggattcg 60
 gctgaatcca aatcctgctg gaaaaagctt gaatccataa cagaaattct ggattcgggtg 120
 catccctagt tttttaataa accgggaaca atttctctag aaatacagtc tatgaattag 180
 gtcatttacc tttccctctt gtaggaaagg acttgggtgt ggagcaccgc gtatgaattt 240
 ttgctgtctg gcttattagg attatttcta ctgttccttg gatgttcggg gtcgtgatgc 300
 ctttgcctag acctgttaat tctctgtatg tctatcctt actttctttt cgtcctataa 360
 aacctgcaat gcttttgtct gaattctgtg tgggtttt taaagtgtgt ttctgtgaga 420
 agtttgtatt tggtaattct tagatatgtg ttaattgttt actctgagtg gtgtgcacct 480
 ttatatctat tccatgcaat ctttcatata gtcccccctg ctttccaggc aggatctcga 540
 cactttacaa acctttccat ttggagacct ctctgggqaa taaacgggtt caaataacaa 600
 cttcaacggc tggag 615

<210> 2077
 <211> 397

<212> DNA

<213> Xenopus sp.

<400> 2077

```

gaattcggac tactacaggt gagcgagacg aatcgggaat gctgaatcct tccaatttat 60
ttcaccaaac cgtgtcaaat aattttgtgg atatttcaaa aggtctcccc atgtctttgt 120
atggggggcag agtgatccct tcacatacac aaatgtcggg cgtctctgat tgtcccgtat 180
ttaatggagt tcacccacaa gatgtgtgtg ctgctgtctac ttggagtcca atgattaagg 240
tgggtgcccag ttcaqtcgaa tgtacggatg cccagaagat gtggccagga acctggacac 300
cccatattgg aaatgtgcat ttaaagtacg ttaactgaat tagaggaaac cgttcaacac 360
aaaactgaaa tacttgagcg caccggggtg actcgag 397

```

<210> 2078

<211> 410

<212> DNA

<213> Xenopus sp.

<400> 2078

```

gaattcggac tactacaggt gaccaccagg ccgtgtctcc aaccaattgc aggagaagat 60
tcaaaagtctg tatgagaaga agttaaaaga agggacagac atgaaccgca ttatccaaaa 120
aaagaaagaa ttccggaacc ccagcatcta cgagaagctc atccagtttt gctccattga 180
tgaacttggc actaattacc cttaaagacat gtttgaccca catggatggc ctgaagactc 240
ctactatqag tctcttgcta aagcccaaaa gattgagatg gataagctgg aaaaggccaa 300
aaaagaacga acgaagattg agttttgttac aggcactaag aagggcacaa cgaccaatgc 360
aaccacaggc acaaccagta ccacaaccac atctacagca gatgctcgag 410

```

<210> 2079

<211> 517

<212> DNA

<213> Xenopus sp.

<400> 2079

```

gaattcggac tactacaggt ggaacccctc ctggtgtctc tatataacct ccgtcttqtc 60
agtcgtgtgc aaacgctttt cctgtgcccag tctgtttttt tcatatcttt taagacccca 120
gttgatctgt atgcatacga ccaggacctg gcagacatat tggaaactat tggcattatg 180
atcttttttt ttttttaaat ggggaggtcc gtctccttgg ttgttatgt cagcacccta 240
aatgccaaaca ttttaacaggg cagagcgagag ttttgtgtgt ttttggggtg cggtagcctg 300
gcgagtctct tgcctttccc gcaaaggggc atcgggtggc acatactggc agtactccat 360
gccactgatg ttcaacctgt ggtcgcgaag cctttgttga actttgtagt tcaaataacc 420
cagtcggggg agtcaaacc tacacttcag ttgatgcacc cacttttatt aatgacacc 480
tgaggctaaa gtgttacgtt aaagggaacc gctcgag 517

```

<210> 2080

<211> 371

<212> DNA

<213> Xenopus sp.

<400> 2080

```

gaattcggac tactacaggt gtttagagga ggcctagggc tgggtatcga cccgaacctc 60
aaggctctag tctgagtgat agcccagaac cttgtgatag cactgagtga tactacaggg 120
caactactac gggcagctgg gaactgaaat accccattac tggcaacatt ccattccac 180
aagcaaagaa atagccagaa agcaaaaaag aaagttagga atttgatcag agtggtgagt 240
tctctataaa tgggaaggtaa aagaaaggca ttggatrgga ttgggcagca gagagatatg 300
aaggaaaggt cagggttagt agcagggggc ggtaaaqqag ttgaattgt ttagcatggg 360
aagagctcga g 371

```

<210> 2081

<211> 687

<212> DNA

<213> Xenopus sp.

<400> 2081

```

gaattcggac tactacaggt ggtgagaagc agtagatctc aggggagttc tgcaacaatg 60
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tactttgccc ccttgtegca cgatatggtg aattatatca acaagggtcaa cactacatgg 180
aaggetgggc acaactttgc taatgctgat gtacactatg tgaaacggct ctgtggaaca 240
caccttaatg gccccagct tcaaaagagg tttgggttg ctgatgacct agaccttcca 300
gacagctttg attcccgggc agcttggecc aactgtccca ccattccgga gatccgagat 360
cagggatcat gcggtctctg ctgggcgttt ggtgcggttg aagccatctc tgatcgtgtt 420
tgtgttcaca ccaatgggaa ggtgaacgtg gaggtgtctg ctgaagatct cctgtcctgc 480
tgtggcttta aatgtggcat gggctgtaat ggagggtatc catctggagc ctggcgattc 540
tggactgaga cgggtttggt ttccgggggc ttgtatgact cccatgttgg ctgcaggccg 600
tactctatcc ctccctgcga gcaccatgtg aatggctcca ggcctctctg caagggggaa 660
gagggcgata ccccaaagtg cctcgag 687

```

<210> 2082

<211> 602

<212> DNA

<213> *Xenopus* sp.

<400> 2082

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gaattcggac tactacaggt gctactgaga ggaggaagat gcagctcgtt acagctctga 60
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aatgtagaac gcaactacatg ggtaaatgcg ataacagcgg tgcattctca gattgtcagt 180
gtaccctcac catagggccc gattcccaac ctgtgaactg ctcaaaatta attcctaaat 240
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gaaccgacaa aggggacaaa aactggaagt gcccggagct ggtcagaact aactgggtgt 480
atgttgaaat gaaacgcaat aacacagact cagtgaatga tgacgacttg aaaaaagcac 540
ttaaaacaac aatagtgaat cgatatggat tacctgaaaa atgtgtttct gttgagctcg 600
ag 602

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<210> 2083

<211> 425

<212> DNA

<213> *Xenopus* sp.

<400> 2083

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gaattcggac tactacaggt gggaaacagc gactctggtt gtagacgaga cggcgcggtat 60
attgcaagat gatcatcccg gtcagatgct ttacatgttg gaagattgta ggcaataaat 120
gggaggctta ccttggcctt ttacaggctg aatatacaga aggtgatgct ctggatgctt 180
tgggcttgaa aaggtactgc ttctcgtcga ttctctctgc tcacgtcgac ttgattgaga 240
aactgttaaa ctacgcccc ttggagaaat gaggggtccg ttccatcccg tgcaatctag 300
accaatcaaa tttttacaag cacagggaag agaaccctcg gcttccatta taccctacct 360
gctgaacttc cagagguaaa atctgtttct aacctgaaa ccattgttga cagggcatgc 420
tcgaq 425

```

<210> 2084

<211> 498

<212> DNA

<213> *Xenopus* sp.

<400> 2084

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gaattcggac tactacaggt gccgggagga gatattctta caggagatgg aggagcagaa 60
agaaaaatcg ccgtctcgata cagaggatcc ggtgggttgag gaggatttgt gcaaaaagct 120
ttcaagaaac ttggatctcg ttggtgtcaa gcagagggtg cgatttgatg gncaggagga 180
caatggaaac ttacagtat cctcaaatcc tagtgatttc agtgatccag ttataaaga 240
aattgcctat gctaatggtt gtgtcaatag aqtgacaaaq gatgagctga aggcqaagct 300
tgtagagcac aaacttgaac ctgagagggt taaaatgtg ctgagaaaga gactgaagaa 360
ctactacaag aagcagaaat tgacacatg attgtataag gattcaaca cagactgcta 420

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ttatgactac atctgtgtca ttgactttga agcaacctgt gaagcgggta actctctaga 480
ctacccccat ttctcgag 498

<210> 2085
<211> 306
<212> DNA
<213> *Xenopus* sp.

<400> 2085
gaattcggac tactacaggt gtttatgatg aaaaagtagt ccatcccttg acttaataat 60
tgtttgttcc acttccctgc tctgtctgc atgtggtgca caggcactgt atgtaactca 120
agctcatcta tcaatctgcc atttatgttg cccctaatac cttttcttct cttcttitta 180
gcaaataaaa ctgaggggat ctcctctcag cctgctgcag agctaggtgt ccaaagccct 240
gcaaaagtgc taactccttc cctgcctttg ccaaccttgg agcctgtttc ttctgccccg 300
ctcgag 306

<210> 2086
<211> 385
<212> DNA
<213> *Xenopus* sp.

<400> 2086
gaattcggac tactacaggt gtttgccttc tctttactgc atggtctgtc ttgcatttta 60
tctaggttta atgcacttgt atcgggactc cccaaaattt ccattatgtg acttcttcat 120
tgtgtgtgcc ttgtctttaa tgttgctagt tagttcctca gcttgggcta aaggtttgac 180
agatattaaa atttcaccca gccctcacia tattgtgcaa aatcactgcc cactgaatta 240
caaatgtctg cctggacaag aatcgcccat gggaagtctg aacatctctg tggcttttgg 300
atcttttgaat ctgattctgt gggcaggtaa tgcttggttt gtatacaagg agaccagtct 360
acattcccca ccgcaacaac tcgag 385

<210> 2087
<211> 198
<212> DNA
<213> *Rattus* sp.

<400> 2087
gaattcggcc aaagaggcct agaactctgg actctgggaa aagcattgac catgaggttg 60
accctgttat tggctgccct acttgggtat atctactgtc aagaaacgtt tgtgggagat 120
caagttcttg agatcctcc aagtcattgaa gagcaaatga gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

<210> 2088
<211> 176
<212> DNA
<213> *Rattus* sp.

<400> 2088
gaattcggcc aaagaggcct attataagag ttgcttttgg catggtttct attataagga 60
caatatctaa ttggggcttg cttatagatt cggaggttct agcagaacac gccctcatta 120
gttcaaaagg tgaattgatt cctcatacac taagtaattg gtcaacatac ctcgag 176

<210> 2089
<211> 323
<212> DNA
<213> *Rattus* sp.

<400> 2089
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcaattggg 60
tctgctgggc tcaatatgac ccacacacng cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaaag aatgtttagc gtacttagca cctaagggat 180

ttggaggggt gcaggctctct ccacccaatg aaaatattat aattaataat ccataagggc 240
 cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2090

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2090

gaattcgggc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatctaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctgag 176

<210> 2091

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2091

gaattcgggc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatctaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctgag 176

<210> 2092

<211> 346

<212> DNA

<213> Rattus sp.

<400> 2092

gaaattcggc caaagaggcc tacttggttag attatccaaa catcgctcaa ttttcattgt 60
 atttatttta tttctttttt tttttttttt ttggccaaaag atgagttgtg ttgttttgaa 120
 atctgagaca ctgtgttcca ttggtgttt ctgttcaaat gcctctcat tgtcttgga 180
 acccttcccc agatgtcaca ctacatgtca ggtccaggag gatgactgc aagtctaca 240
 gggttctatta cgaaaacttc aagggttcca gttgaaacct ggaaacctgc agctgatgt 300
 caccaaatgc ttgccttcca cccctggggg ggctgggcag ctgag 346

<210> 2093

<211> 176

<212> DNA

<213> Rattus sp.

<400> 2093

gaattcgggc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatctaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctgag 176

<210> 2094

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2094

gaattcgggc aaagaggcct agcaaaatga attttgttct gctgctttcc ctcatgggt 60
 ttgtgtgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 tcgagtggcg ctgggtgtat attgccaaag aatgtgagcg gtacttagca cctaaaggat 180
 ttggaggggt gcaggctctct ccacccaatg aaaatattat aattaataat ccataagggc 240
 cttgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2095

<211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2095
 gaattcgccc aaagaggcct attataagag ttgctttggc catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctcgag 176

<210> 2096
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2096
 gaattcgccc aaagaggcct attataagag ttgctttggc catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt ccgaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatcac taggtactgc gtcaacatac ctcgag 176

<210> 2097
 <211> 150
 <212> DNA
 <213> Rattus sp.

<400> 2097
 gaattcgccc aaagaggcct accccccaact agaaaaattg ttatgggtat tggcatttat 60
 ttattcatca tatacttatt agggcagcta aaaaagtcta atgectctgt catgtattac 120
 cacagaaggc aagcccagca caaactcgag 150

<210> 2098
 <211> 323
 <212> DNA
 <213> Rattus sp.

<400> 2098
 gaattcgccc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcatggggt 60
 tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 tcgagtggcg ctgggctgat attgccaaagg aatgtgagcg gtacttagca cctaagggat 180
 ttggaggggt gcaggtctct ccaccaatg aaaatattat aattaataat ccaccaaggc 240
 cttgggtggga aagatatcaa ccaatcagct acaaaaatttg ctcaaggtct ggaaatgaaa 300
 atgaattcaa aggatggctc gag 323

<210> 2099
 <211> 178
 <212> DNA
 <213> Rattus sp.

<400> 2099
 gaattcgccc aaagaggcct aagcattgac catgagggtg acctgttat tggctggcct 60
 acctgggtat atctactgtc aagaaacgtt tgtgggagat caagtctctg agatcatccc 120
 aagtcattgaa gagcaaatta gaactctgct gcaattggag gctgaagagc atctcgag 178

<210> 2100
 <211> 344
 <212> DNA
 <213> Rattus sp.

<400> 2100
 gaattcgccc aaagaggcct acctgggtaga ttatccaaac atcgtcaaatt ttcatgcta 60
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ctgagacact ggtttccaat tgggtgtttct gttcaaaaagc atcctcattg tcttgggaaac 180
 ccttccccag atgtcacact acatgtcagg tccaggagga tgactcgcaa gtcttacagg 240
 ttccattacg aaaacttcaa ggttcccagt ggaaacctgg aaaccgtcag ctgatgtctca 300
 ccaaatgctc gcccttcacc cctgcgggggg cctggcagct cgag 344

<210> 2101
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2101
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatattaa ttggggctgg cttatagatt cagaggttct agcagaactt gccctcacca 120
 gttcaaaagcc tgaattgttt cctcatcacac taggtactgc gtcaacatac ctcgag 176

<210> 2102
 <211> 330
 <212> DNA
 <213> Rattus sp.

<400> 2102
 gaattcggcc aaagaggcct aaaaatgaag tttgtttctgc tgccttccct cattgggttc 60
 tgctgggctc aatatgacct acacactgcg gatgggagga ctgctattgt ccacctgttc 120
 gagtggcgtc gggctgatat tgccaaggaa tgtgagcggc acttagcacc taagggattt 180
 ggaggggtgc aggtctctcc acccaatgaa aatattataa ttaataatcc atcaaggcct 240
 tggtagggaaa gatatcaacc aatcagctac aaaatttgcct caaggtctgg aaatgaaaat 300
 gaattcaaaag acatgggtgac gagactcgag 330

<210> 2103
 <211> 523
 <212> DNA
 <213> Rattus sp.

<400> 2103
 gaattcggcc aaagaggcct aaacaattct gcaaaaataa tcataccag cctggcaatt 60
 gtctgtctct cgggtccattg ctccgcgcgc gtccacagtc gcttgcaagg gaaggcactg 120
 aattttaccgc ggccagaaca tccctcccag ccggcagttt acaatgtctc gaactaagga 180
 tctcatctgg actttgtttt tcttgggaac tgcagtttcc ctgcaggtag atattgttcc 240
 cagccaagga gaaatcagcg ttggagagtc caaattcttc ctgtgtcaag tggcaggaga 300
 tgccaaagat aaggacatct cctggttctc ccccaacggg gaqaaactga gcccaacca 360
 gcagcggatc tcagtgggtg ggaacgatga tgactcctct accctcacca tctacaacgc 420
 caacattgat gatgccggca tttacaagtg cgtgggtcacc gctgaagacg gcacccagtc 480
 cgaggccact gtcaatgtga agatcttcca gaagacactc gag 523

<210> 2104
 <211> 150
 <212> DNA
 <213> Rattus sp.

<400> 2104
 gaattcggcc aaagaggcct acccccact agaaaaatgg ttatggggtat tggcatttct 60
 ttattcatca tatacttatt agggcagcta aaaaagtcta atgctctctg catgtattac 120
 cacagaaggc aagcccagca caaactcgag 150

<210> 2105
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2105

gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2106
 <211> 345
 <212> DNA
 <213> Rattus sp.

<400> 2106
 gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtaaaat tttcatgcta 60
 tttattttat ttcttttttt tttttttttt tgccaaaaga tgagttgtgt ttgtttgaaa 120
 tctgagacac tgtgttccat ttggtgtttc tgttcaaag catcctcatt gtcctggaaa 180
 cctttcccca gatgtccac tacatgtcag gtccaggagg atgactcgca agtctacag 240
 gtttcattac gaaaacttca aggttcccag tggaaacctg gaaacctgca gctgatgctc 300
 accaaatgct cgccttcac cctgcgggg gcctggcage tcgag 345

<210> 2107
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2107
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2108
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 2108
 gaattcggcc aaagaggcct attataagag ttgctttggg catggtttct cttataagga 60
 caatatttaa ttggggctgg cttatagatt cggaggttct agcagaactt gccctcatca 120
 gttcaaagcc tgaattgttt cctcatacac taggtactgc gtcaacatac ctcgag 176

<210> 2109
 <211> 203
 <212> DNA
 <213> Rattus sp.

<400> 2109
 gaattcggcc aaagaggcct agctctgaac ttgggactct gggaaaagca ttgacctga 60
 gggtgacctt gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
 gagatcaagt tcttgagatc atcccaagtc atgaagagca aattagaact ctgctgcaat 180
 tggaggctga agagcatctc gag 203

<210> 2110
 <211> 323
 <212> DNA
 <213> Rattus sp.

<400> 2110
 gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgccttcc ctcatgggt 60
 ttgtctgggc tcaatargac ccacacactg cggatgggag gactgctatt gtccacctgt 120
 tcgagtggcg ctgggctgat attgccaaag aatgtgagcg gtacttagca cctaagggat 180
 ttggaggggg gcaggctctc ccacccaatg aaaatattat aattaataat ccataaggc 240
 ctgggtggga aagatatcaa ccaatcagct acaaaatttg ctcaaggctt ggaaatgaaa 300
 atgaattcaa aggatggcnc gag 323

<210> 2111
 <211> 308
 <212> DNA
 <213> Rattus sp.

<400> 2111
 gaattcggcc aaagaggcct acctttcttt cctcccttcc tccctcccatg tccctctctc 60
 ctccctccca cctctcacc cctccatcc cctccctccc tttctctttg tactttccag 120
 ctggagcagc agcagcagct gggcctgaat caatgattga cttcccccacg acctccctt 180
 ctcttttggc aatgatatac ctttgccttc ccagtcctct ttttaatttta tctgtgatgg 240
 ttttgcctct ccttccctcc cctccctctt tccctcttcc tcccccctct cccccaccga 300
 cagtcgag 308

<210> 2112
 <211> 203
 <212> DNA
 <213> Rattus sp.

<400> 2112
 gaattcggcc aaagaggcct agctctgaac tctggactct gggaaaagca ttgaccatga 60
 ggctgacctt gttattggct gccctacttg ggtatatcta ctgtcaagaa acgtttgtgg 120
 gagatcaagt tcttgagata atcccaagtc atgaagagca aattagaact ctgctgcaat 180
 tggaggctga agagcatctc gag 203

<210> 2113
 <211> 402
 <212> DNA
 <213> Rattus sp.

<400> 2113
 gaattcgtcc aaagaggcct acactgacaa cttcaaagca aaatgaaqtc cgtctctgtg 60
 ctttccctca ttgggttctg ctgggctcaa tatgacctac acactggcga tgggaggact 120
 gctattgtcc acctgttcga gtggcgctgg gctgatattg ccaagggaatg tgagcggtac 180
 ttagcaccta agggatttgc aggggtgcag gtctctccac ccaatgaaaa tattataatt 240
 aataatccat caaggccttg gtgggaaaga tatcaaccaa tcagctacaa aatttqctca 300
 aggtctggaa atgaaaatga attcaaagac atgggtgacga ggtgcaacaa tgttgggtgc 360
 cggatttatg tggatgctgt cattaatcac atgacactcg ag 402

<210> 2114
 <211> 545
 <212> DNA
 <213> Rattus sp.

<400> 2114
 gaattcggcc aaagaggcct aggggtcggc agaaggettc aggtcccttg aacttggggg 60
 tactggtagc gggcactgcc atgtggatgc cgggggctgg acctggacta tccgggaagag 120
 caggcaactgc tggctgctga gtcattggct ccacctcctt tgcctctgag acaggacctt 180
 gcttcgcaat agggcagggt ggtcttgacc gtattacgta gtccaggtta accttgaact 240
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 cgggttaactt gtgccttagg atttttctct gttttattcc attgcattgc tgggccttga 360
 ggatgctctg atctgtgata gcataattga cctcttgcct ttgtcttaagg atacagtgc 420
 cattoacggg ccttgcagtc ttccaagact ctcttcnaag gacatttggg ggcttccaaa 480
 acaatcttag tgcctcctgc ttctccatta ccatagccaa cactttctca cccacaaaac 540
 tcgag 545

<210> 2115
 <211> 427
 <212> DNA
 <213> Rattus sp.

<400> 2115

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gaattcggcc aaagaggcct agagcttttc ggtgtatgta ccttggaggt caugattatg 60
caggatttcc tgggttggtt ttactccgac tgcatagcac ctacagacac gacctcaaaa 120
tatatgcctc tgatgaaggg cgggtccaga tgacggcagc tgccttcgca aagggctctc 180
tggtctctaga aggagagctt acccccattc tgggttcagat ggtgaaaagt gcaaatatga 240
acggcctttt ggacagcgac agtgactctt tgagtagctg tcagcagcgt gtgaaagcga 300
ggcttcatga gatacttcag aaagacagag attttacagc cgaagactac gagaagctta 360
ctccatctgg aagcatttct gttatcaaat caatgcctct aattaaaaac ccagtgaaaa 420
cctcgag                                         427

```

<210> 2116

<211> 178

<212> DNA

<213> Rattus sp.

<400> 2116

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gaattcggcc aaagaggcct aagcattgac catgagggtg accctgttat tggctgcccc 60
acttgggtat atctactgtc aagaaacgtt tgtgggagat caagttcttg agatcctccc 120
aagtcatgaa gagcaaatta gaactctgct gcaattggag gctgaagagc atctcgag 178

```

<210> 2117

<211> 314

<212> DNA

<213> Rattus sp.

<400> 2117

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gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaagc ctcagaacac 60
ctggaccact tctttggaaa actgtcttac cagcaacaag tcatccactg cgatcctgtt 120
gagcatagcc acatctgagt tttccaagtc taaacaggac tgcctctgat tttcccatga 180
agctgcatta ttgtctgtcc atcttacttg tggtcacttt tgtgccaaact gctctgggtt 240
tggaagatgt gactccactg ggaacgaatc agagttcata caatgcacca tttcttttca 300
gctttacact cgag                                         314

```

<210> 2118

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2118

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gaattcggcc aaagaggcct agcaaaaatga agtttggtct gctgctttcc ctcattgggt 60
cttgcctggg tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggctgat attgccaaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccacccaatg aaaatatatt aattaataat ccatcaaggc 240
cttgggtggg aagatatcaa ccaatcagct acaaaaattg ctcaaggctt ggaaatgaaa 300
atgaattcaa aggatggctc gag                                         323

```

<210> 2119

<211> 579

<212> DNA

<213> Rattus sp.

<400> 2119

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gaattcggcc aaagaggcct agagcaatgg tcaacacctt tctctgcctt ggggctgggc 60
aaaccaacag tccaggcaaa aggcagggca cttctctggag gaggtgtcag caccaaggca 120
gatggctqac tccaaagctc tccgtgctct cctgcattgg gcttaaatga tggcatgagc 180
cggctctccc ggcctatctg ggttccaaac cttgggtagga ttagtctgca ggggctgcac 240
tgtaggcaga gctcaccnaa ccaagactta cacttctca gccctgggaa gcacagctac 300
aaaatcactg gacttcaaac cagaaaaccc agccttgaca cagtacagat gacaaccatc 360
tggtcactct gaatgtaaag cgaccccaaa cacacttgca tttgtaggca gggacgctca 420
cattgctcaa ggtctctctg gcgggaatga agcaaacccg agctcaaaccc aagcagagtg 480

```

actccaagcc tgcccatagc caccactat gcttaagtaa gatgtccctc ctcaaagctg 540
ctgcagttaa gccatgagca gattccctgt ctgctcgag 579

<210> 2120

<211> 310

<212> DNA

<213> Rattus sp.

<400> 2120

gaattgggcc aaagaggcct aagcttgggc gcagaacaca ctcaaagtcc ccaaaggagc 60
tccacctgtc tatacctcct ctccagctcag tcccacaagg cagaataaaa aaatgaagac 120
cgtttacatc gtggctggat tgtttgtaat gctggtacaa ggcagctggc agcatgcccc 180
tcaagacacg gaggagaacg ccagatcatt cccagcttcc cagacagaac cacttgaaga 240
ccctaattcag ataaacgaag acaaacgcca ttcacagggc acattcacca gtgactacag 300
cgcactcgag 310

<210> 2121

<211> 354

<212> DNA

<213> Rattus sp.

<400> 2121

gaattgggcc aaagaggcct agtggggtag gaactgaagg aaatatagga ccatgcaggc 60
attttatctc aatgagagaa gttctgatta tattaggaat ccaccaaaga ccatcattgt 120
gactggatcc acacagctaa gtctttgtc agtgaacatg gtcaugaaga ggctggaaaa 180
acccaaagca cacagttacc ttcccatggg aggctaagct atcaaaagcg gtgttcagtt 240
atacaacaag caagccaagc caccaaatta caaacagtgg tgttacatat ttctcgtgca 300
atgtgggttt cctgctaaat tttgttgttt ttacacttga ttatatcct cgag 354

<210> 2122

<211> 435

<212> DNA

<213> Rattus sp.

<400> 2122

gaattgggcc aaagaggcct ataaaattat taagtatata tccaaatttc aaactcctct 60
ttcccaaaac aacgctggcg agcctagcaa gttagcaaaa atctttgtta agaatataga 120
atagcgtcca ccatagggtc tgtgttccaa agccacacct cagttccccc actatcagaa 180
taccatacta gtggttctta actagttaaag gctaaagaga acntttaact tcccactatc 240
ctcagcaacc taggtctttt actgtattca ccaatgcccc ttgtacatca gtttttcttc 300
cctccttccct gcctaactgc ctctctttct tacttctttt tgtttcaaat ctctttctgt 360
ttatttcttt tgtgtctgtg gacattcact gggacgtggc atggcagatg tatggacaca 420
acggggcagc tcgag 435

<210> 2123

<211> 339

<212> DNA

<213> Rattus sp.

<400> 2123

gaattggcca aagaggccta ccaaaagggt ctgctacatc tttaggaagg agagaccctc 60
gggggcggcc cctttagaag agcagctggc cagggctggg acattttaat gaaggctctg 120
tattaaagag ttggctcttc ctctccttat ccttccctct atttggaaat gtccctctct 180
aatctccctt aatcccacct cctccttgtg gggcagggga ccaggcagcc tggagaggcc 240
aagagaggag ctgcaggatt gggctggggc ctggcaggag actcccacgt agccctgtgc 300
atgggggggt tgcataattg caggtaagag ccactcgag 339

<210> 2124

<211> 323

<212> DNA

<213> Rattus sp.

<220>

<221> unsure

<222> (114)

<220>

<221> unsure

<222> (120)

<220>

<221> unsure

<222> (191)

<400> 2124

```
gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgctgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtcnacctgn 120
tcgagtggcg ctgggctgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt ncaggctctc ccaccaatg aaaatattat aattaataat ccatcaaggc 240
cttggtagga aagatatcaa ccaatcagct acaaaatttg ctcaaggctc ggaaatgaaa 300
atgaattcaa aggatggctc gag 323
```

<210> 2125

<211> 320

<212> DNA

<213> Rattus sp.

<400> 2125

```
gaattcggcc aaagaggcct atgactatag ggaaagtcac atgggcatac acaagtgtca 60
aactcggaaa ctgcacgcca tgaacatgta taatttacca tatgtcaaag aagccatttt 120
tgggtttttg ggggtgggtt tgtgtgtttg ttgtttgtc ttttaaagtc tgttgcccag 180
caagttagct cagtgggtta aggtgtttgc tccaaagctt aaagcctggg ctcaatcgcg 240
agaactcatg tggtagaacg ggagagccca ccattacaaa ctgtgctttg acttccatat 300
gtctgcccac aacactcgag 320
```

<210> 2126

<211> 316

<212> DNA

<213> Rattus sp.

<400> 2126

```
gaattcggcc aaagaggcct acagccaagg actaactacg accatgagat tggcagtgat 60
ttgcttttgn ctatttgga ttgcctcttc cctcccggtg aaagtgactg attctggcag 120
ctcagaggag aagaagcttt acagcctgca cccagatcct atagccacat ggttggtgct 180
tgacccatct cagaagcaga atctccttgc gccacagaat gctgtgtcct ctgaagaaaa 240
ggatgacttt aagcaagaaa ctcttccaag caattccaat gaaagccatg accacatgga 300
cgacagtgat gtcgag 316
```

<210> 2127

<211> 138

<212> DNA

<213> Rattus sp.

<400> 2127

```
gaattcggcc aaagaggcct acgagtgggt atgggtgatga tgatgggtggg ggtgattatg 60
atgataatga tggtagtgac cacagtgatt gatctgagag gtgctgactg gtgagaggca 120
ggtctagaat tcaatcgg 138
```

<210> 2128

<211> 395

<212> DNA

<213> Rattus sp.

<400> 2128

```

gaattcggcc aaagaggcct actgtcgggc aagtgcatt ctagactgag catgggttttc 60
tggaacagat gatcttggat gacaggaat ccgaggacct ggaccgtcca tcattgagcc 120
accagtttgc tggagcacag acatgggtgt tctagcactt ccaaggggtt ctagcattcc 180
aggtgatcta catcgggtcaa gaggagtggg tgacatgcta ggacgactaa aacagctcat 240
tctagagcta ctaagtgcta caggaggtgt ccgagatcca gaatgattcc ttgttggctgg 300
aggagtggca gaacgtgagc gacagaaact atttcagat gcagaccgcc tacggatggc 360
tggaggagat cttgttaaag atcgtttgcc tcgag 395

```

<210> 2129

<211> 323

<212> DNA

<213> Rattus sp.

<400> 2129

```

gaattcggcc aaagaggcct agcaaaatga agtttgttct gctgctttcc ctcattgggt 60
tctgtcgggc tcaatatgac ccacacactg cggatgggag gactgctatt gtccacctgt 120
tcgagtggcg ctgggtgat attgccaagg aatgtgagcg gtacttagca cctaagggat 180
ttggaggggt gcaggtctct ccaccaatg aaaatatat aattaataat ccatcaaggc 240
cttggtagga aagatatcaa ccaatcagct acaaaatttg ctaagggtct ggaaatgaaa 300
atgaattcaa aggatggctc gag 323

```

<210> 2130

<211> 386

<212> DNA

<213> Rattus sp.

<400> 2130

```

gaattcggcc aaagaggcct aagaaacgcc tgggccttcg gaaaggagtg attgattagt 60
acttgcaagt ttaagtgact ttaaggagaa ctaactaatg tatactattg agggaggagg 120
aagagcatta cagagtttcc agcagcagca ggaaagcttt ggttagtttg gaaatggatg 180
atagcattaa aataacagaa gcgcctccag gtctctgaag cttcagtcce ccagctgaaa 240
gccagaaaag actaagccca ctaagccttt tgatcccttt ggaagcaaag aactttcctt 300
ccctgggggtg aagactctcc tcagaagatt tccgtctctt gcctatgta caagaggaat 360
caaaaccaag acagaagagc ctcgag 386

```

<210> 2131

<211> 202

<212> DNA

<213> Rattus sp.

<400> 2131

```

gaattcggcc aaagaggcct acaaaactaaa aaattcttta gccacttctt taccgcaagg 60
aacecccatc tcaactatc ccaactaat cctcatcgaa actatcagcc tatttatcca 120
accgatagca ctagcagtac gactaacagc aaacattaca gcaggccatc tactaatgca 180
tctaategga ggagctctcg ag 202

```

<210> 2132

<211> 386

<212> DNA

<213> Rattus sp.

<400> 2132

```

gaattcggcc aaagaggcct aggagagggtg ttcttgacat ccagtgttgc agagtgggggt 60
ggaggggtcaa acccagtcac ctcaggatct ttgctgagca gaaggacaca aggagaggcc 120
agtggggcct gactccaggg aaattgatac cattaagcat gtttggtaat tggatcgata 180
ctagttctat caaagggtgaa taaagtcaat tttgtgattc ttggaatggt aaataatgat 240

```

tataataaaaa ttttaaatcga attagaattc ttgccagaga gggaaagggg agtgaggaaa 300
gccacgggtgc cegtctccga gtgtcatcga ggtcaggggt ggggctcagc cctactcagg 360
agctccttgt tggcagggac ctccgag 386

<210> 2133

<211> 403

<212> DNA

<213> Rattus sp.

<400> 2133

gaattcggcc aaagaggcct agcgcgcggc cccaccttcg tcgcgcacac tggctaggcg 60
agctcgcagc gctctacgac tctgcggctc ggaactcggg ccgcagggct gaacaccccc 120
actgtggtat ttadadadag aaagaaagaa agaaagaaga ctttcccttg ctttttcttc 180
ttttctcttc tttctcgcac ggtttctctc cgtagtggct agcggagccg gcagccttcc 240
caaggcagcc ctgggttggt tgcctccttc catctggctt ataaaagttt gctgagtgcg 300
gtccagaggg ctgcgcggct cgtcccttcg gctggcggaa gggggtgacg ctgggcagcg 360
gctaaggagc gcgcgcagc ctctggcggg ctttcggctc gag 403

<210> 2134

<211> 343

<212> DNA

<213> Rattus sp.

<400> 2134

gaattcggcc aaagaggcct aaagaaacga atttctctac cagatcggaa gggaaagaaa 60
tcttccaagt agaaggggag ggggtgtgtt gtgttttgta tttttttata taaggctctc 120
ttgtataacc ttgggttgcc tggaccacaa gagatctgcc ggctctctgc ttacagtgcg 180
gagataaaaa gcacacacca ccattgcacca ctattttggg tgggtggggg tacttttgtt 240
ttgttttgtt ttgttttgtt ttgagacggc ttctctgtgt agccctggct gtcttggaac 300
ctactctgta gaccaggctg gtcttgaact cagatccctc gag 343

<210> 2135

<211> 150

<212> DNA

<213> Rattus sp.

<400> 2135

gaattcggcc aaagaggcct accccccact agaaaaattg ttatgggtat tggcatttat 60
ttattcatca tatacttatt agggcagcta aaaaagtcta atgcctctgt catgtattac 120
cacagaaggc aagcccagca caaacctcag 150

<210> 2136

<211> 344

<212> DNA

<213> Rattus sp.

<400> 2136

gaattcggcc aaagaggcct acttggtaga ttatccaaac atcgtcaaat ttctatgcta 60
tttatcttat tctttttttt tttttttttt gccaaaagar gaqttgtgtt tgtttgaaat 120
ctgagacact gtgttccatt tgggtggttt gtccaaatgc atctctattg tcttggaatc 180
ccttccccag atgtcacact acatgtcagg tccaggagga tgactcgcga gtccctacagg 240
tttcattacg aaaacttcaa ggttcccagt ggaaacctgg aaacctcag ctgatgtcca 300
ccaaatgctc gcccttcacc cctgcggggg cctggcagct cgag 344

<210> 2137

<211> 525

<212> DNA

<213> Rattus sp.

<400> 2137

```

gaattcgggc aaagaggcc agcctcttgg gccggccaaa gaggcctagg tcgtggggta 60
agaacagtc gatccttggc cagtgttgaa ggctgggcgg ttttccagct ctataactgt 120
tttgccttc ctggaaagct cagtcacttc acaggtgtag tttcccacca cagcctcatg 180
ggatccatt gtcaaagagg caatgccttc gagcaagtc gagaccgaga tttttgcact 240
ggtaaagttt tgttctctag tagtgctatt tttatttcca tcatagatga aaatatacga 300
tttgttcaac ttccacttca caaacatttc atcgggtgctt tgggcttcca cattaaggac 360
tttgcaaggg atgaccacag tgcattgca tgacgtgaac tctacagatt tgactttact 420
aagcaggagt tgagctgaac cgcagcagca ggagcccagc aacagcgccg ccgccaaggg 480
ccacatctcc gcgcgcgcgg gggtcgccgc cgcaggtgtc tcgag 525

```

<210> 2138

<211> 198

<212> DNA

<213> Rattus sp.

<400> 2138

```

gaattcgggc aaagaggcc agaactctgg actctgggaa aagcattgac catgagggtg 60
accctgttat tggctgccct acttgggtat atctactgtc aagaaacgtt tgtggggat 120
caagttcttg agatcatccc aagtcatgaa gagcaaatta gaactctgct gcaattggag 180
gctgaagagc atctcgag 198

```

<210> 2139

<211> 311

<212> DNA

<213> Rattus sp.

<400> 2139

```

gaattcgggc aaagaggcc actgccgaat actgattaca tatctcttga aatcaaactc 60
ttcagtatag aagcgaagta gtcccaacca aagctctctt agtgattccg tgttctttcc 120
aagtgaaggc aaacgctttt tcagttcttc tgttttatca aagaaaaagg cattccatcc 180
atccaccatt ctctgttgaa tctgctttcc atcaaagatc tcttgcagaa ctgggataac 240
tgggtggcctt cgttgcctga gaaagtacag caccataagg atataagcat atgaagataa 300
acttctctga g 311

```

<210> 2140

<211> 408

<212> DNA

<213> Rattus sp.

<400> 2140

```

gaattcgggc aaagaggcc accatcatgg cgtaccgcgg ccaggggccag aagggtgcaga 60
aggtgatggc gcagcccacc aaccttatct tcagatactt gcaaaataga tctcgaattc 120
aggtgtggct gtatgaacaa gtgaatatgc ggatagaggg ttgtattatt ggctttgatg 180
agtacatgaa cctcgtatta gatgatgcag aagaaattca tctaaaaaca aagtcagaga 240
aacaactggg tcggatcatg ctcaaaggag ataattattc tctgtcccaa agcgtttcca 300
actagcagtg gccaaagcat ggagagggtt agaaggggct caggggctgc tgggtgactac 360
atttactcat cctgtttcac ttgtacattc tcaatggggc aactcgag 408

```

<210> 2141

<211> 429

<212> DNA

<213> Rattus sp.

<400> 2141

```

gaattcgggc aaagaggcc agaaaagttc tccaattagt ataatgaatg agtanctccc 60
gtactgagta atatttcacc ccccggttag cacaggctaa ggtgaaactg tttcatatgt 120
ttgatagaat agtctaacct tgatttttaa acgaccaaca ttttggccga attgagtggg 180
gggaaaagtc ccgagtcctt gtgtctctt gggtttcatt tctctgtggg taactttact 240
gttaagtttc ttcttttagc atgattggca aattgtattt tctttaaaaa tcatgctttg 300
tgcacatttc caagggaggt agtctcactt aatggaggct taaghtctt tatgaattgg 360

```


ttacacagga cagaagccca acactaaca agacagggat aaaattgtct cctgggtgtgc 420
cgtctcgag 429

<210> 2142
<211> 524
<212> DNA
<213> Rattus sp.

<400> 2142
gaattcggcc aaagaggcct acagctgttc agaaaagaag aacatggaaa aactgtcaac 60
agtctctctt aatgagcaca cttgaaattt gaatgtcaga atgaacaata ataataacta 120
ttttaaccac tgtctccata ctcataaaag ataaaagaaa tggaaatttc atggtaagtg 180
gagtatttgc ctgggtctca agtgcttctt cacagaatat ttactgatga cacaggggaa 240
aagagtagct tcatggtaact agatgctaga ggacgtcact tgcacagatg atcagagtaa 300
acactggtaa tggatggatc aggcctacac catctggtag agcagagctc agcatggctt 360
acatgctggc cctgccaaag gtgcgtgacc tggactgagc tgtgaggaag caccctctac 420
agagcagctg agctggaaac tctcacggtc atcaacatcc agggaagact tagggacttt 480
tgaaactgat gggctctttt aaaaccccca tggcagcact cgag 524

<210> 2143
<211> 553
<212> DNA
<213> Rattus sp.

<400> 2143
gaattcggcc aaagaggcct acgtactctt cttgacccag aaaaccccac gaaatcatgc 60
aagtcaagag gctcaaacct tegtgttcac ttttaagaaca cccgggaaac tgcccaggcc 120
atcaagggtt tgcataatcg caaagccacc aagtatctga aggatgtcac tttaaagaag 180
cagtgtgtgc cattccggcg gtataatggt ggagttggtt ggtgcgcccc ggccaaacag 240
tggggctgga cacagggacg gtggccaaaa aagagtgtct aatttttget gcacatgctt 300
aaaaatgcag agagtaatgc tgaacttaag ggtttggatg tagactctct ggtcattgaa 360
cacatccagg tgaacaaggc tcctaagatg cgcagacgga cctacagagc tcacggcccg 420
attaacccat acatgagctc cccctgccac atcgagatga tctcactga gaaggaaacag 480
attgttccaa agccagaaga ggaggttgca cagaagaaaa agatatccca gaagaaattg 540
aagaaagctc gag 553

<210> 2144
<211> 454
<212> DNA
<213> Rattus sp.

<400> 2144
gaattcggcc aaagaggcct agaggaagca gacacagtat cagtgtgtgt gaggggggag 60
accttgcaca tctctgaca gtcagtttac cctccaaagt cttgagttca aatcagagtg 120
ccacactggg gtaccacca ggaatgtctt agtgccctgt ggaagggggc aaggttgagg 180
gaagggtttg aacttttgag aatgggttaat aaaattgagc cgattgatgg tgggagagac 240
ggcgtaatgg traagaaaga gtatgtacag ctgccaaagg cccagttttt gttttcagca 300
acctaaagtg tttgtacctt agaaactgtct gtaacttggg cagctcataa atgctcgtta 360
ctccagcttc tgcactctaa atgtactcta agttacatgc agatacacac atgtagttaa 420
aaataataaa aatctgaaaa caaaggagct cgag 454

<210> 2145
<211> 314
<212> DNA
<213> Rattus sp.

<400> 2145
gaattcggcc aaagaggcct actccacact catcttttaa ttttgaaaac ctccagaacac 60
ctggaccact tctttggaaa actgttctac cagcaacaag tcatccactg cgatcctgtt 120
gagcatagcc acatctgagt tttccaaagt taaacaggac tgcctctgat tttcccaaga 180

agctgcattt ttgtctgtcc atcttactgg tggtcacttt tgtgccaaact gctctgggtt 240
 tggagatgt gactccactg ggaacgaatc agagttcata caatgcutca tttctttcga 300
 gctttacact cgag 314

<210> 2146
 <211> 473
 <212> DNA
 <213> Rattus sp.

<400> 2146
 gaattcggcc aaagaggcct aaggacgagg atataaatgc tatagaaatg gaagaagaca 60
 aaagagattt gatatcccga gagatcagca agttcagaga cacacacaag aaactggaag 120
 aagagaaagg caaaaaagaa aaagaaagac aggaattga gaaagaacgg gagagagaac 180
 gggagagaga gagagaacgg gagagagaac gggagcgtga aagagagaaa gacaagaaaa 240
 gagacagaga agaggatgaa gaagatgcat atgaacgaag aaaacttgaa agaaaactgc 300
 gagagaaaga ggctgcgtat caagagcgcc ttaagaattg ggaaatcaga gaacgaaaga 360
 aaactaggga atatgagaag gaggcggaaa gagaagaaga aagaagaaga gaaatggcta 420
 aagaggctaa acgattaaaa gaattcctag aagattatga cgatgacctc gag 473

<210> 2147
 <211> 104
 <212> DNA
 <213> Rattus sp.

<220>
 <221> unsure
 <222> (42)

<400> 2147
 gaattcggcc aaagaggcct aggtgggggg tagtgctagg tnggctaagc ttgctaatag 60
 tcatcatgtt gctatcaatg gaaagattat ttgtaatcct cgag 104

<210> 2148
 <211> 334
 <212> DNA
 <213> Rattus sp.

<400> 2148
 gaattcggcc aaagaggcct aaagaggtgc tgaagaagaa ctgccacac attgttgttg 60
 ggactcctgg ccgaattcta gccctggccc gaaataagag cctgaacctc aaacacatta 120
 aacactttat ctgggacgaa tgtgacaaga tgcctgaaca gctcgacatg cgtcgggatg 180
 tccaggaaat tcttcgcatg acccccctat agaagcaggt catgatgttc agtgcctacc 240
 tgagcaaaga gatccgcca gtgtgccgca agttcatgca agatgtaaat acctctacc 300
 tctctcctct ccactccccg ccgcgatgct cgag 334

<210> 2149
 <211> 489
 <212> DNA
 <213> Rattus sp.

<220>
 <221> unsure
 <222> (106)

<220>
 <221> unsure
 <222> (130)

<220>
 <221> unsure

<222> (164)

<220>

<221> unsure

<222> (241)

<220>

<221> unsure

<222> (273)

<220>

<221> unsure

<222> (364)

<400> 2149

```

gaattcggcc aaagaggcct acagtcgccg gttataccat ttataaacat gcagatgtag 60
actattaaag attaatgcgt ttcaggattg gtgtggcatt ccgttngtct catgccgaaa 120
tcaattctgn ttctcattag tcaatgacaa ccccatcat ccantgtgga agagaaatca 180
aagggtgcag tgtgtgaatg agagtaactg atgaaactga ttagtaccag acttaacggc 240
nataatcaat caacacatca cagtagtcag ctncagctta gcagggtgaca gggaagtaga 300
aggaacactc cttctgtatc agtgactcgc ttcgtttttag acactcctac ggaaaagtct 360
caanacactt cttttctatg cactactcat ttagccacca ttccccaaaa tggagcaaaa 420
cggattctga caacttcttc ttctgggctt caattagctc acaaaagctc tataccctca 480
agtctcgag                                     489

```

<210> 2150

<211> 563

<212> DNA

<213> Rattus sp.

<400> 2150

```

gaattcggcc aaagaggcct acttctgagg attctgtggc tcttcccttg ggagagggag 60
agaacatctt ggagagctta ctccaagagc taaggcagag agagggtaga gcccctatct 120
tgaggaggca tcacatcagg cagcaacaac tttgtggaaa gctggatgaa ctggtcagta 180
gcaggaaatg gaggggagca ctgggttagc ctcttagaaa ggtcaaccgc tttagaggtga 240
actcatggaa tacttgggtat tccaagcag agtgggggtg ggcccaaagc cctctctcct 300
gtgtaccttc ttaaggaata aaaggcattc agggagttcc caggcaaggg gtgccagaat 360
tagtctttaa ggcacagctg ggggcagaca aggcgccaaag gcacaatttg tagggggaca 420
agggatagcc tccaagctga gtgccagggt cacaagagga tgcaggaccg cccacgcttt 480
atcgggtgtg gggtgagcac cgcctggaca gcctcggcaa acacctcctt gacaccgtct 540
tgctgcagcg ctgagcactc gag                                     563

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<210> 2151

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24

INTERNATIONAL SEARCH REPORT

International application No
PCT/US99/24205

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) C07K 14/435; C12N 15/12

US CL. 530/350; 536/23.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/350; 536/23.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EMBL5, Genbank, USPAT issued, EMBLest58, Genbankest111

search terms: sequences corresponding to SEQ ID NO: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
X	WO 98/42738 A1 (HUMAN GENOME SCIENCES, INC.) 01 October 1998, pages 207-208, positions 402-730 of SEQ ID NO: 54 relevant to positions 21-350 of instant SEQ ID NO: 993.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information, (Bethesda, MD), Accession number C06368, TAKEDA, J., 'Direct Submission,' 11 October 1996, positions 16-372 relevant to positions 29-385 of instant SEQ ID NO: 1416.	4, 8
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD), Accession Number AA491109, NCI-CGAP, 'National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index,' 15 August 1997, positions 1-136 relevant to positions 159-24 of instant SEQ ID NO: 1333.	4, 8



Further documents are listed in the continuation of Box C.



See patent family annex

* Special categories of cited documents	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubts on priority claim(s) in which cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

11 FEBRUARY 2000

Date of mailing of the international search report

29 FEB 2000

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

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JOHN S. BRUSCA

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim ?
X	Database Genbank on STN, National Center for Biotechnology Information (Bethesda, MD) Accession Number AA442056. HILLIER et al. 'WashU-Merck EST Project 1997,' 02 June 1997, positions 60-226 relevant to positions 21-187 of instant SEQ ID NO: 1192.	4, 8

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-8

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/24205

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack Unity of Invention because they are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for more than one species to be searched, the appropriate additional search fees must be paid. The species are as follows:

The nucleic acids of SEQ ID NO: 1-2159 and the corresponding polypeptides encoded by the nucleic acids of SEQ ID NO 1-2159.

The claims are deemed to correspond to the species listed above in the following manner:

All claims are drawn to the species indicated above.

The following claims are generic: 1-8

The species listed above do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: Each species is drawn to a different nucleic acid or corresponding encoded polypeptide. There is no disclosed relationship between the sequences of each individual species.

Restriction to a single species has been waived sua sponte and the Applicants are permitted to have ten species examined without payment of additional fees. The Applicants representative Suzanne Sprunger elected telephonically on 01 February 2000 to have the sequences corresponding to SEQ ID NOS: 48, 79, 267, 531, 724, 802, 993, 1192, 1333, and 1416 searched.